



Established in  
ENGLAND - - 1859  
AUSTRALASIA 1885

Registered as a Newspaper and  
PUBLISHED WEEKLY AT  
42 CANNON ST., LONDON, E.C.4

Telephone: 3617 CENTRAL (3 lines)  
Telegrams: CHEMICUS, CANNON,  
LONDON (charged as two words only).

No. 2,063. Vol. XCI.

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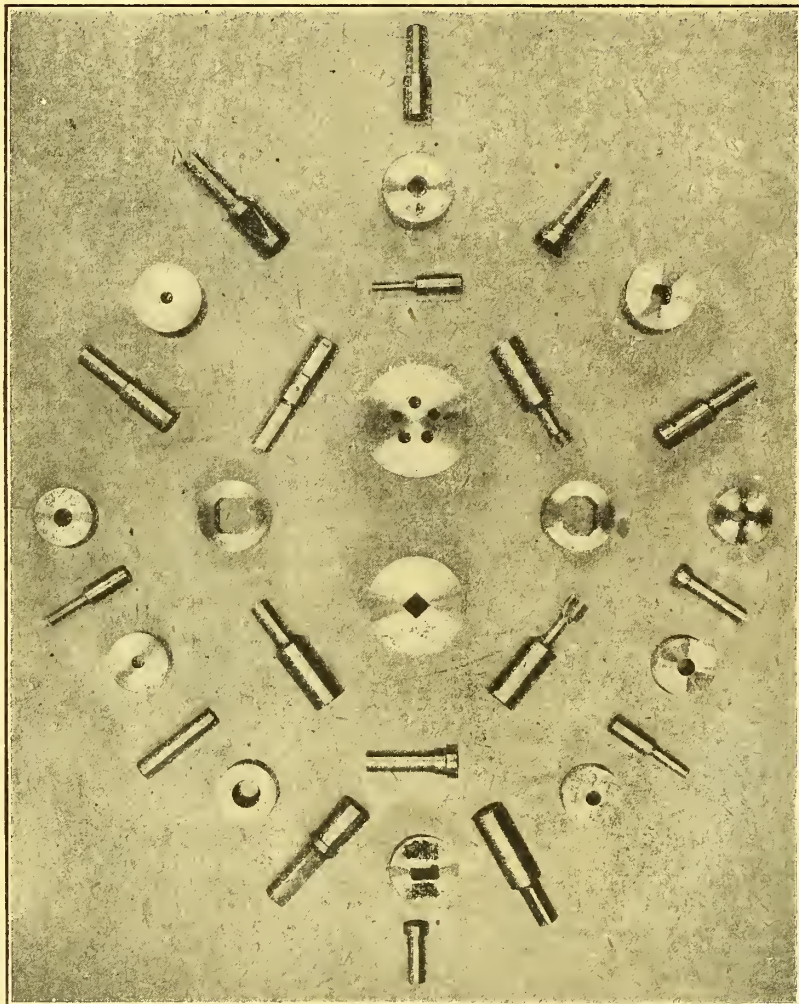
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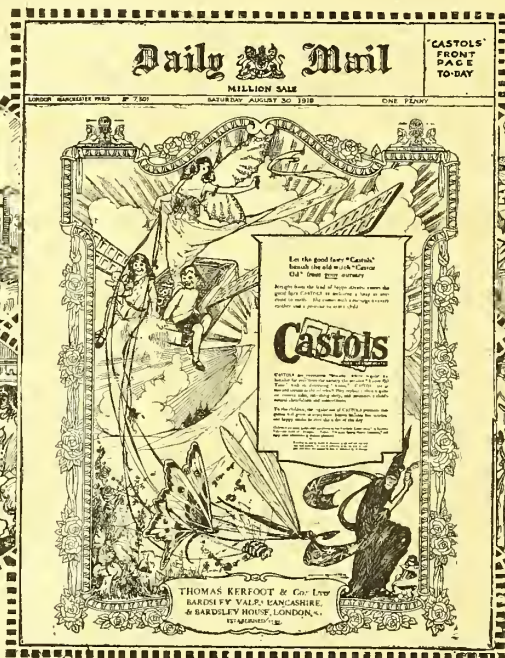
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# QUININE

MAARSSSEN

QUININE and QUININE SALTS.

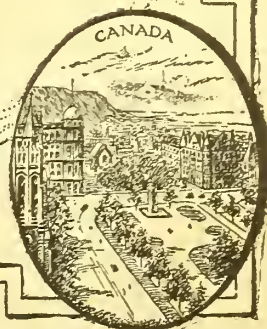
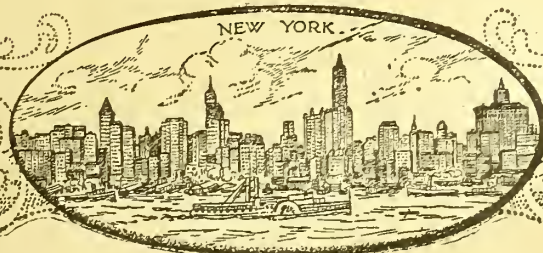
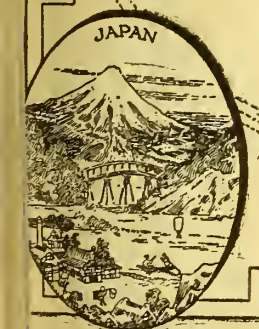
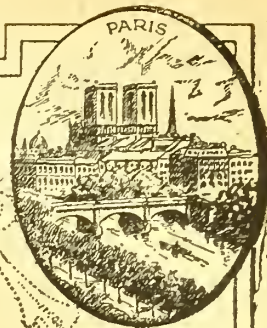
Unexcelled in Uniformity of Quality.  
Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE,  
and their SALTS.

MANUFACTURED BY  
NEDERLANDSCHE KININEFABRIEK, MAARSSSEN, HOLLAND

AGENTS:— R. W. Greeff and Company,  
Thames House, Queen Street Place,  
LONDON, E.C.4.





# PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS.

*For spot delivery.*

ACETANILID  
ACETYL SALICYLIC ACID  
COCAIN  
EUCALYPTUS OIL  
HEXAMINE  
HYPOSULPHITE OF SODA  
PYROGALLIC ACID  
SALICYLIC ACID

*Enquiries also solicited for our usual range of  
Pharmaceutical and Photographic Products.*

## R. W. Greeff & Co.

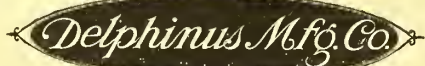
THAMES HOUSE, QUEEN STREET PLACE,  
LONDON, E.C.4.

MANCHESTER BRANCH:

Lloyd's Bank Buildings, King Street.

NEW YORK AGENTS:

R. W. Greeff & Co., Inc., 78, Front Street.



Offers an opportunity to every Chemist and Druggist of supplying their customers with genuine lines attractively packed, and of making large profits for themselves (nearly 140%).

To introduce our lines we are offering (for a limited time only) £2-7-6 for £1, as follows:—

- 3 doz. Delphinus Nail Polish (6d. size) 18 -  
 2 " " Cloth Cleaner (4½d. " ) 9/-  
 2 " " Styptic Pencils (6d. " ) 12/-  
 1 " " Antiseptic  
 Shaving Block (8½d. " ) 8 6

**£2-7-6**

The above will be supplied carriage and package free to every reader of the "C. & D." for the price of £1, monthly account, or less 3¼% for prompt cash.

This offer is worth consideration.

Special quotations to shippers, large buyers, &c., &c.

*Export to All Countries.*

**45 Edward Street, Brighton,  
Sussex, England.**



## The Inseparable, just Pourable, Vanishing SKIN FOOD

of Stearine base, combined with rare ingredients, imparting the natural whiteness and waxy softness of the water lily to

**HANDS AND ARMS.**

Does not interfere with the sale of Face Creams, as it is something quite apart.

**Pays 45% on Monthly Bonus Terms.**

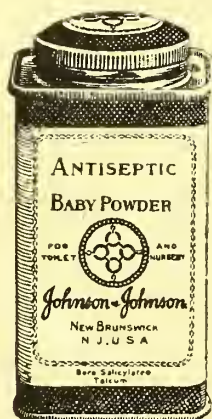
| Retail | Size                   | Price      | Free Bonus on quantities named, or pro rata, |
|--------|------------------------|------------|--|
| 5d.    | 1-oz. bottles          | 48/- gross | 2 doz. 1/- with ea. gross                    |
| 1/-    | 3-oz. "                | 9/6 doz.   | 2 " 1/- " 6 doz.                             |
| 1/9    | 6-oz. "                | 16/- "     | 2 " 1/- " 4 "                                |
| 2/9    | 12-oz. bath size bots. | 27/- "     | 2 " 1/- " 2 "                                |

### A vigorous Advertising Campaign in preparation

A set of five sale-compelling Showcards (including two reproductions from water-colours) and a 2/9 (retail) Showbottle FREE with each carriage-paid order to the value of £3.

*Obtainable on bonus terms only from—*

**THE VELDT LABORATORY, Louth, England,**  
*or through our Special Agents,*  
**AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.**



**Look for the  
Name and  
Trade Mark.**

## ANTISEPTIC BABY POWDER

MANUFACTURED BY

*Johnson & Johnson.*

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

### WARNING.

handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have

**JOHN TIMPSON & CO., Ltd.,**

**104 Golden Lane,  
LONDON, E.C.**



*Write or Cable us for Prices of*

## OLIVE OILS

FINEST EDIBLE (FRENCH or SPANISH),  
PHARMACEUTICAL, GREEN and INDUSTRIAL.

## ESSENTIAL OILS

BERGAMOT, ORANGE, LEMON, ANISEED, CASSIA,  
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PEPPERMINT, and

**EUCALYPTUS B.P., 70/80%, &c.**

**Paraffinum Liquidum and Petroleum Jelly.**

TARTARIC AND CITRIC ACID

CREAM OF TARTAR

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HONEY

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CASTILE SOAP

JAPAN AND BEESWAX

SICILIAN LIQUORICE JUICE (Block or Sticks).

Lowest Prices. Highest Quality. Strictly Wholesale.  
Samples, Prices and Full Particulars on Application.

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Telephones :

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6994

**59 ST. MARY AXE,  
LONDON, E.C.**

And at Liverpool, Bristol and Glasgow.

Telegraphic Addresses :  
"PALUSTRIS, LED,  
LONDON."

Code :

A B C, 5th EDITION.

# How much longer will you sow that others may reap?



## "Every Pharmacist his own Manufacturer."

*Only Possible "By Proxy" Nowadays.*

In the first place, you have little time to spare for such work—and in the second, the quantities you can use are not large enough for economical methods of production.

In other instances you have not the plant which is necessary to secure perfect results—with ointments, pills, tablets, or capsules for examples.

So you have to buy a considerable amount of manufactured goods—but you need not be taxed to pay profits to a private manufacturer.

By joining "Ucal" you become your own manufacturer. You buy goods at ordinary market prices, often something less, grade for grade, and the ultimate profit comes back to you in the form of dividend on your turnover.

"Ucal" Members collectively use sufficient to keep their factory going—by pooling their business they can keep the plant running at a profit.

You can share that profit by joining "Ucal." Don't you want to?

You are not asked to buy anything from "Ucal" which you may be able to buy better or cheaper elsewhere.

You are doing this NOW—though you may scarcely realise it.

You are doing it whenever you lend aid to the privately owned "patent" or proprietary.

You are doing it when you buy packed goods from a wholesale house controlled by men who are not Pharmacists.

You cannot compete with the proprietary with national prestige "off your own bat"—so you simply acquiesce.

"Ucal" offers you an alternative to all these difficulties—another way of meeting them, which shows splendid possibilities of profitable development—profitable to YOU—as well as to someone else.

Think right down to this—then ACT.

# Ucal, Cheltenham.



# MAW'S PAGE

No. 428  
AUG 9 1919

*Number Eleven:*  
*the ultra-refined*  
*Eau-de-Cologne*

A COLOGNE for the present season—  
for all times—for all occasions.

Maw's No. 11 Eau de Cologne has been distilled under ideal conditions, and contains all those refreshing and stimulating properties which constitute its charm and delicacy. Put up in handsome bottles, labelled to attract attention.

## PRICES.

| Requed          | Per doz. |
|-----------------|----------|
| 4-oz.           | 1 4/6    |
| Imperial Wicker | 1 10/-   |
| Imperial        | 1 14/6   |
| Imperial        | 1 10/6   |



"Maw's—The House of the Woman."

S. MAW SON & SONS, LTD., 712 ALDERGATE ST., LONDON, E.C. 1, ENGLAND.

# L.A.E.C. Election

*To voters in Area 2, West: (Wales, Herefordshire, Shropshire, Staffordshire, Warwickshire and Worcestershire)*

## PANEL SECTION.

The Birmingham Pharmaceutical Committee have nominated Mr. W. H. WHITTOCK as a Candidate for election, and appeal to all voters in the area to assist in securing his return by giving him their votes, and by bringing his claims to election to the notice of their fellow-Pharmacists.

MR. W. H. WHITTOCK has been prominently associated with the work of the Birmingham Pharmaceutical Committee for many years—for upwards of two years he has been Chairman of the Committee—and has been an active worker in all the most important details of Pharmaceutical organisation, particularly those relating to Military Service matters, and to the local Minimum Prices scheme.

## ASSOCIATION SECTION.

The Birmingham Pharmaceutical Association have nominated MR. H. O. LLOYD as a Candidate, and appeal for your votes and interest to assist in securing his election.

MR. H. O. LLOYD is President of the Birmingham Pharmaceutical Association, and exceedingly well known to many Pharmacists, not only locally but throughout the country.

He has actively associated himself in Birmingham with all matters tending to the advancement of Pharmacy during the past ten years. He was largely instrumental in arranging the Optical Course for Pharmacists at the Birmingham Technical School, and also the School of Pharmacy which will be inaugurated in October next under the City Education Committee. As the representative of Pharmacists on the Selective Committee, No. 7 District, he has assisted materially in the allocation of Government Grants for the training of Pharmaceutical Students.

*Both these Candidates have signified their willingness, if elected, to interest themselves specially in any matters of importance to individual Committees and Associations in the area, when requested.*

## No. 2 AREA.

## VOTE FOR

*Panel :*

**W. H. WHITTOCK**

*Association :*

**H. O. LLOYD**



# DOLS' QUICK-SELLING LINES

## LEMONADE CRYSTALS (all sweetened)

$\frac{1}{4}$ -lb. tins - - - - - 7/6 per doz.  
 In bulk, four qualities - - - 1/6, 1/8, 2/- per lb. } 7 & 28-lb. tins.  
 Extra strong, Military quality - 4/- ,,

## LEMONADE TABLETS (six in tin)

(To make six glasses)

Sweetened - - - - - 4/6 per doz. tins.  
*Smart get-up.* *Good 6 $\frac{1}{2}$ d. line.*

## EASTERN FLAVOURED SHERBET

$\frac{1}{4}$ -lb. tins - - - - - 7/3 per doz.  
 In bulk, four qualities - - - 1/6, 1/8 and 2/- per lb. } 7 & 28-lb. tins.  
 Extra strong, Military quality - 4/- ,,

## EASTERN FLAVOURED SHERBET TABLETS

Six in tin - - - - - 4/6 per doz. tins.

(To make six glasses).

*Smart get-up.* *Good 6 $\frac{1}{2}$ d. line.*

## RASPBERRY CRYSTALS.

1/6, 1/8, and 2/- per lb., 7 & 28-lb. tins.

## HEALTH SALTS

Mauve label - - - - - 6/- per doz.  
 Military quality, blue label - - - 6/9 ,,

*Carriage paid gross lots. Assorted if desired.*

*New Customers cash with order or reference.*

***Delivery by Return***

**Dols & Co., Ltd.** Lockwood's Yard **Huddersfield.**  
Factory,

London Representative : Mr. F. R. LOCKWOOD, 11 Chaucer Road, Herne Hill, S.E.  
 Scottish ,, Mr. A. SPRUNT, 25 Wellington Street, Glasgow.

# **Faulty Boxes**

OF  
**AMAMI**  
NAIL POLISHING STONES

have escaped our supervisor's attention. Please examine your stock and return these for exchange, and send an order for a Window Show of **AMAMI TOILET LUXURIES.**

Terms : 33½ per cent. discount off Retail Prices, and 10 per cent. Cash Allowance for Window Display on orders over £5. Goods carriage paid, Showcards free.

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**PRICHARD & CONSTANCE (WHOLESALE) LTD.**  
*COURT PERFUMERS,*  
**469 Holloway Road, London, N.7.**



# August is the month for Lemonade !



**Look to your Stocks of  
Ayrton's  
Lemonade Tablets and  
post your order right  
away. Sales missed  
next week are missed  
for ever.**

**If you post your order  
right away, we will  
despatch by return.**

**WE PAY CARRIAGE ON ONE GROSS**

**Retail - - - 6½d. per tube**

**Wholesale - - - 58/- per gross**

**Ayrton's  
Thirst Quenchers  
delicious Lemon Circles  
which Melt on the  
Tongue.**

**1½d. packets - 10 6 per gross**

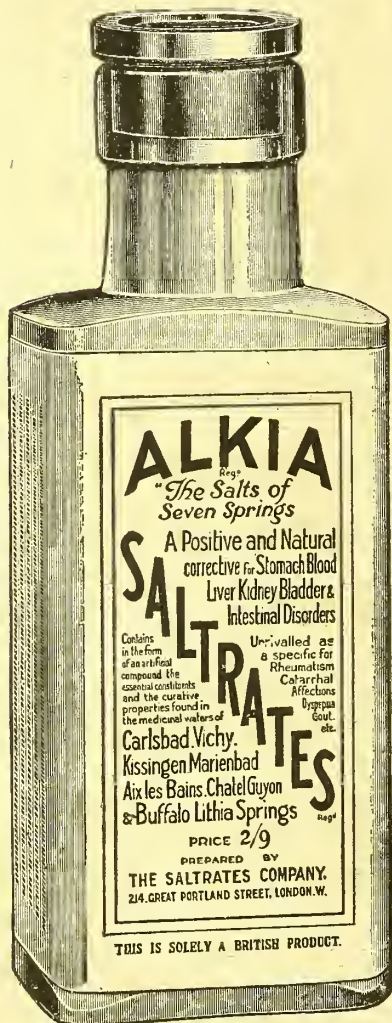
**3d. " - 21/- "**

**9d. tins - 72/- "**

*AYRTON, SAUNDERS & Co. Ltd.*  
**LIVERPOOL**

# Two Lines which you, Mr. Chemist

*They always mean a pleased and satisfied Customer.*



## ALKIA SALTRATES.

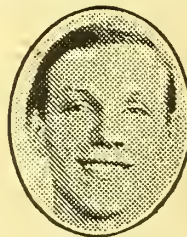
A widely advertised and quick selling product, which represents the maximum of possible efficiency in a saline, and the best value obtainable for the money. Being highly concentrated, exceptionally small doses are sufficient, and there is no trace of any salty or other unpleasant taste.

*Protected on P.A.T.A. at the full face value of 2/9 a large bottle.*

## A FEW OF THE OF ALKIA SALTRATES AND who have written us praising the



Mr. HARRY LAUDER,  
*The Great Comedian.*



JIMMY WILDE,  
*World's Champion Boxer.*



Mr. EUGENE IRIE,  
*Famous Reformer.*



Bombardier  
BILLY WELLS,  
*The Famous Boxer.*



ERNEST BARRY,  
*World's Sculling Champion. Ex Middle-weight Olympian.*



JIM SULLIVAN,

## WHAT THE SOLDIERS SAY:

Numerous soldiers have written us of the benefits derived from our Alkia Saltrates Compounds when used during active service. The following are a few names at random from these letters, and published here by special permission:

Sergt. R. Scholedge, A.S.C., M.T.; Sergt. C. S. Turner, A.M. Corp. Thos. Jukes, A.S.C.; Corp. J. R. Pitts, A.S.C., M.T.; Corp. Charles, A.S.C., M.T.; Sergt. J. R. Richardson, A.S.C.; Pte. Franklin, Newfoundland Regt.; Pte. L. R. Maunder, R.F.; Airer J. G. Beevers, R.F.C.

*Not designed as the cheapest preparations of the*

## YOU CAN STOCK THESE GOODS ON GUARANTEED SALE TERMS.

Carriage paid in United Kingdom on orders for 3 dozen, which may be assorted.

Handsome showcards of strong selling power sent free on request. Display them in your window, and attract extra business from our present extensive advertising campaign.



# can Recommend with Full Confidence

because they do exactly what our advertisement say.

## PROMINENT USERS

### REUDEL BATH SALTRATES

Products in the highest possible terms.



**GEORGES ARPENTIER,**  
Champion Boxer.



*Photo, Abbey.*  
**Mlle. GABY DESLYS,**  
Parisian Artiste.



*Photo, Wrather & Buys.*  
**Miss PHYLLIS MONKMAN,**  
Musical Comedy Actress.



**DONALDSON,**  
World's Champion  
100, and 125 yards.



**W. G. GEORGE,**  
Champion Runner,  
World Record Holder  
for One Mile.

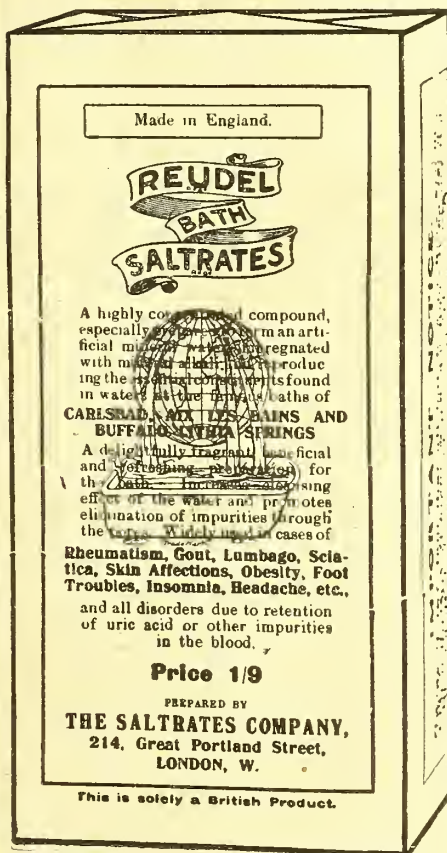


**YOUNG HEALEY,**  
Ex Feather-Weight  
Champion.

Thousands of commendatory letters on file,  
and open to examination by anyone.

Members of the medical profession, trained nurses, prominent business men, actors and actresses, men well known in the Army, Navy, sporting world walks of life are amongst thousands of the correspondents who have written sing our Saltrates in the highest possible terms after having experienced remarkable curative effects. The ethics of the medical profession do not permit making public any physicians' names, but our files of other commendatory are open to inspection by anyone at any time.

## REUDEL BATH SALTRATES.



but the best producible, regardless of cost.

### WE CAN GUARANTEE IMMEDIATE DELIVERY OF ALL ORDERS.

We are fortunate in being able to announce that foresight shown in the laying in of very heavy stocks of supplies in anticipation of the shortage which afterwards developed, still enables us to guarantee full and prompt delivery of orders for any quantities. Therefore, in spite of the present raw material difficulties and specially high drug costs, we are as yet making no advances in our prices, which remain on a pre-war basis.

The best selling and most fragrant, refreshing, beneficial and all-round satisfactory preparation for the bath or for general toilet purposes.

Especially recommended in cases of foot trouble or rheumatic pains, stiffness, etc. Now being extensively advertised.

Protected on P.A.T.A. at the full face values of 1/9 and 2/9.

# POUDRE NILDÉ

*in the sifter box.*

Appeals irresistibly to every woman. The  
quickest selling line of face powder ever shown.

**Minimum Selling Prices:**

## POUDRE NILDÉ

*in the sifter box.*

|  |         |     |
|--|---------|-----|
| SMALL SIZE, for the handbag                                    | -       | 1/- |
| LARGE SIZE   | - - -   | 3/6 |
| Leather or fancy silk vanity cases, small<br>size, with mirror | - - - - | 4/6 |
| LARGE SIZE   | - - - - | 9/- |

## ROUGE INVISIBLE NILDÉ

*in the sifter box.*

|                 |           |     |
|-----------------|-----------|-----|
| SMALL SIZE      | - - - - - | 1/6 |
| IN LEATHER CASE | - - -     | 5/- |

**SHOWS YOU 33 $\frac{1}{3}$ % PROFIT.**

Through your wholesale house.

**EACH BOX CONTAINS A PUFF**

## NILDÉ, PARIS

British & Colonial Agents:

8 Blenheim Street, London, W. 1.





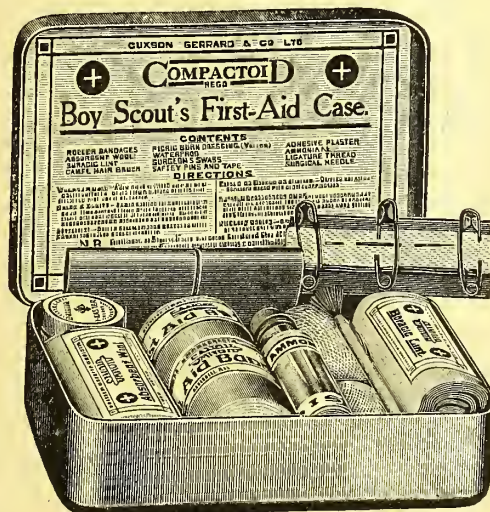


# The Outdoor Season is now in full swing.

*Have you secured good stocks of COMPACTOID Pocket and other First-Aid Cases? These are indispensable to all Sportsmen, Golfers, Scouts and Girl Guides, and no effort is required to sell these smart outfits.*

This is one of  
the best sellers  
for the chemists'  
counter.

No. A 55.



There are  
twenty more  
cases to select  
from. Please  
write for parti-  
culars.

No. A 55.

WHOLESALE PRICE - 18/- dozen.

RETAIL PRICE - 2/- each.

*DESCRIPTIVE BOOKLETS supplied FREE with orders for  
1 DOZEN CASES or more.*



## CUXSON, GERRARD & CO., Ltd.

THE FIRST-AID SPECIALISTS,  
OLDBURY, near BIRMINGHAM.

# BOTTLES

are scarce and will be scarcer and dearer soon. Lay in a Stock of  
Bottled Goods at **PRESENT PRICES.**

|                                     |      |       |           |              |
|-------------------------------------|------|-------|-----------|--------------|
| VANISHING CREAM, 2-oz. S.C. Jars    | .... | 78/-  | per gross |              |
| BRILLIANTINE, 1¼-oz. Corked         | .... | 45/-  | "         |              |
| " 2½-oz. "                          | .... | 84    | "         |              |
| BAY RUM & CANTHARIDINE, 3-oz. Panel | .... | 60/-  | "         |              |
| " 8-oz. Round                       | .... | 99/-  | "         |              |
| BAY RUM (Spirit) 3-oz. Panel        | .... | 87/-  | "         | 7/6 per doz. |
| " 6-oz. Mexican                     | .... | 156/- | "         | 14/6 "       |
| TOILET PARAFFIN, 3-oz. Panel, Corks | .... | 57/-  | "         |              |
| " Best Quality, Sprinklers          | .... | 81/-  | "         |              |
| 8-oz. MIXTURES, cartoned            | .... | 95/-  | "         |              |

5 % Monthly Account.

## CARMOL, Ltd.

Washington Street,  
BIRMINGHAM.

## THREE GOOD SELLERS THAT PAY WELL

### FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT  
PERFUME AND  
REFRESHER IN  
SOLID FORM

Retails (P.A.T.A.)  
Minimum - 3/-  
giving at least 10d. Profit  
on each sale.  
26/- per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

### CARNATE (Regd.)

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum 1/6; 12/- per doz.

### ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.  
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/3  
21/- per doz., stamped.

## R. DEMUTH'S LABORATORIES,

68 Salusbury Road and  
Montrose Avenue, LONDON, N.W. 6

Telegraphic Address: "Boulbene London."

Telephone: 525 Willesden.



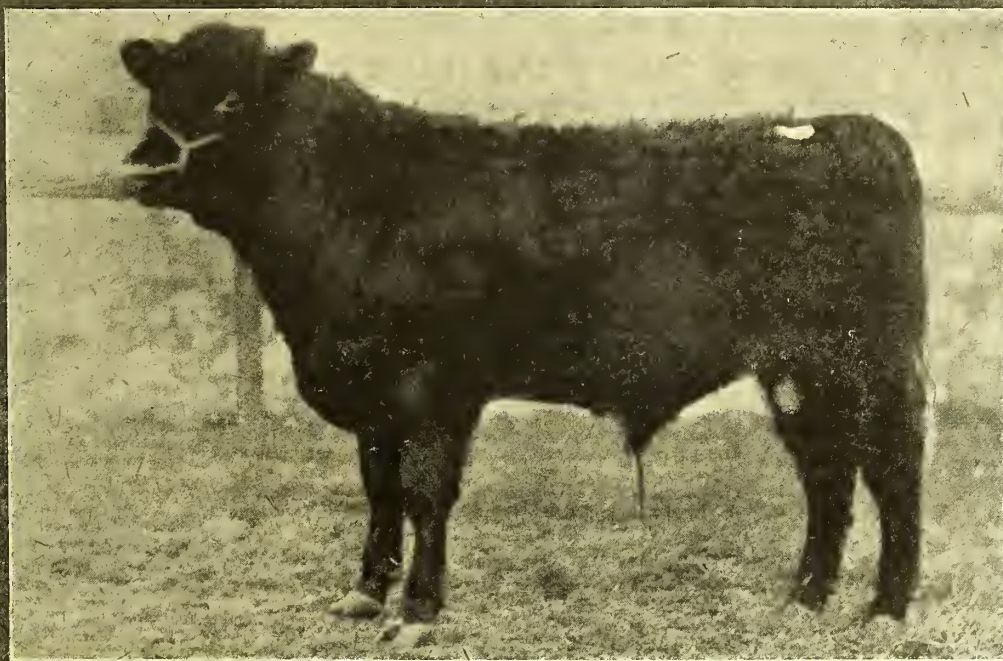
FOR PEDIGREED AND COMMERCIAL CALVES

# **"ISCO" BRAND COD LIVER OIL**

IS UNRIVALLED.

Finest Oil Produced.

Gives Excellent Results.



## **CAPTAIN AUGUSTUS.**

Red Shorthorn Pedigreed Calf, bred by Mr. H. M'L. Duncan, Lethenty, Alford, and sold at 2600 guineas to Lady Cathcart, Cluny Castle. This beautiful Bull, fed on "ISCO" COD LIVER OIL, was calved in March, 1918, and won the championship at Aberdeen Show when eleven months old.

*Manufactured only by*

**ISAAC SPENCER & CO. (Aberdeen) Ltd.**  
**ABERDEEN, SCOTLAND.**

— **SICILIAN** —  
**LEMON - BERGAMOT**  
**ORANGE - MANDARINE.**  
— **SPINELLI** —

**THE OILS THAT HAVE A LONG  
REPUTATION FOR QUALITY.**

---

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any :: :: :: analysis as to purity. :: :: ::

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**HOLLANDS DISTILLERY LTD.**

**Lavington Street, Southwark, LONDON, S.E. 1**

A B C Code, 5th Edition  
Western Union.

Telegrams: "LANDSLQH, LONDON."  
Telephone: HOP 898.

**AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.**

**CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.**



# TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

## ***WE SPECIALISE IN TERPENELESS:***

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill



Geranium

Ginger

Juniper Berry

Lavender

Lemon

Limes

**CITRAL**

**EUCALYPTOL**

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary



**CINNAMIC**

**ALDEHYDE**

**GERANIOL**

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AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York.  
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, Toronto.

# PURE SPANISH ESSENTIAL OILS

(LONABARC BRAND).

ROSEMARY

LAVENDER

GERANIUM

PENNYROYAL

THYME (RED &amp; WHITE)

SAGE

FENNEL (SWEET &amp; BITTER)

ORANGE

LEMON

## THYMOL

ACONITE ROOT

GENTIAN ROOT

LAVENDER FLOWERS

QUINCE SEEDS

Write for samples and prices to LONABARC TRADING CO., LTD., 60 FORE ST., E.C. 2

F. M. RUDD,

Bronson,

MICHIGAN,

U.S.A.

### GENUINE AMERICAN PEPPERMINT OIL

*"Columbia" Natural*  
*"Diamond White"*  
*Re-distilled.*

Finest qualities for Druggists,  
Distillers and Confectioners.

Sole Consignees in United Kingdom—

R. W. GREEFF &amp; CO.

Thames House,

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## CHEMICALS DYES ESSENTIAL OILS

For the Toilet and  
Perfumery Trades

EUDERMINE CO., LTD.  
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## AMERICAN ESSENTIAL OILS

"MOHAWK" BRAND

### OIL PEPPERMINT (Natural)

OIL CEDARWOOD  
OIL CEDARLEAF

OIL HEMLOCK  
OIL BIRCH

Heliotropine Crystals C.P.

Vanillin C.P.

Coumarin C.P.

Oil Wormseed, American.

Oil Wintergreen Leaf

U.S.P.

MAGNUS, MABEE &amp; REYNARD, Inc.

Essential Oils, Chemicals and Drugs,

NEW YORK - - U.S.A.

Cables—"MAGLAUR."

SALES  
BEAT ALL RECORDS.

## INDIAN PERFUME BRICK

KEEPS AWAY MOTH.  
LASTING & FRAGRANT.

PERFUME  
BRICK

FOR LINEN CUPBOARD AND WARDROBE.

Retail Price, 6d.

Of the Makers:

ALBERT WILLIS &amp; ARTHUR, Ltd.

6 Mortimer St., London, W.

AND ALL WHOLESALERS.



# SAVE 3/- PER GALLON

BY BUYING

## GUARANTEED GENUINE

# NEWFOUNDLAND NON-FREEZING

# MEDICINAL COD LIVER OIL

## OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

*Kindly write for sample to*

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

**"Newbery's"**  
FRANCIS NEWBERRY & SONS

## "A1" SHAVING CREAM

UNDER ROYAL, NAVAL &  
MILITARY PATRONAGE.

**This High-Class Shaving Cream will appeal to the elite of your Customers.**

*Add to your Stock a few A1 Shaving Cream and be wise.*

**18/- per dozen.**

**CHARTERHOUSE SQUARE,  
LONDON, E.C. 1.**

## Revised Prices for

**Glaxo**

## Feeders.

OWING to the increased cost of production due to the shortage of skilled labour and the advance in the price of coal, it has been necessary to advance the price of Glaxo Feeders. The prices of Glaxo Teats and Valves remain unaltered.

*Present prices are as follow:*

|                       | Price to Public | Cost to Retailer |
|-----------------------|-----------------|------------------|
| Feeders, complete ... | 1/6 each        | 13/6 doz. net    |
| Glaxo Teats ...       | 3½d. ..         | 2/6 .. ..        |
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**GLAXO, 155-7 Gt. Portland Street, London, W. 1.**

Wholesale Distributing Agents:  
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# IT PAYS TO PUSH

## ANZORA

because we allow you an excellent profit for your trouble. For every 1/6 bottle you sell you make 6½d. profit. Isn't it worth it?

### TRADE TERMS.

11/6 per doz.      Retailed at 18/-  
19/6 " " " " " 30/-

## ANZORA

### MASTERS THE HAIR

Of all Wholesalers.  
Showcards on request.

Anzora Perfumery Co., Willesden Lane, N.W. 6

THE name Zenobia is so intimately associated with perfection in perfumery, that the buying public eagerly welcome the Toilet Preparations also manufactured by the firm of Zenobia, Ltd. Chemists will find that the name

## ZENOBIA

alone is sufficient to ensure ready sales, while the pleasure found in the use of Zenobia Specialities in its turn ensures satisfied customers. We particularly recommend

| ZENOBIA BRILLANTINES.      | ZENOBIA TOILET POWDERS.    |
|----------------------------|----------------------------|
| -9d. size.....6/9 per doz. | 1/3 size.....10/6 per doz. |
| 1/6 " " " 13/6 " " "       | 2/9 " " " 24/- " " "       |
| 2/6 " " " 22/6 " " "       | -7½d. Poudre Orientale.    |
|                            | 5/6 per doz.               |

Subject to usual discount.

A complete Catalogue will be forwarded on application to—

**ZENOBIA LTD., Loughborough, ENGLAND**

## ORELA LTD.

(Late Parfumerie Aristocratique of Paris. Estab. 1899.)

37 Berners Street, London, W.1.

*Our factory has been transferred from Paris to London.*

Quality, Elegance, Large Profit, Prompt Service.

### We manufacture

Face Powders, Toilet Creams, Face and Hair Lotions, Concentrated Perfumes, Artificial Oils, Eau de Cologne, and perfumery and toilet products of all kinds, "Own Name" being a speciality.

Wholesale and Export Selling Agent:

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Telephone: Regent 4506.

## LIQUORICE JUICE BARONE AMARELLI

**GILBERT & KNOWLES, Ltd., 3 Union Court, E.C. 2**

DIRECT IMPORTERS

## ROYAL COURT HAIR DYES

Notwithstanding the shortage of supplies, we are still in a position to supply all orders and guarantee our preparation to be exactly the same as pre-war recipes. Own-named brands a speciality. Largest profit, and most reliable Hair Dye yet produced.

**J. KNOX WALKER & Co. Ltd., 422 Kingsland Rd., London, E. 8.**

## Every Chemist must stock "OKOS" Tooth Powder

*A wonderfully fine Tooth Powder  
with a refreshing Mint Flavour.*



**7½d. per tin.**

**£3 PER GROSS**

15 dozen to the gross.

To introduce "OKOS" to the Trade, we are offering 15 dozen to the gross, carriage paid, for cash with order, until further notice. Smaller Orders through your Wholesaler.

"OKOS" is being well advertised—you are sure to be asked for "OKOS"—don't disappoint a customer, get your stock in NOW. "OKOS" is beautifully put up under attractive labels and cartons, dummies of which we will supply for Window Display on request.

Sole Proprietors—

## THE MIDLAND WHOLESALE,

2 Regent Place, Leamington Spa.

*This Showcard, printed in five colours supplied FREE.*





The 5/- Size of  
**CALVERT'S**  
CARBOLIC  
**Tooth Powder**

can now be supplied as well  
as the 6d., 1/- and 1/6 tins.

*Price List on Application.*

**F. C. CALVERT & CO.**  
MANCHESTER

**PRE-WAR  
PRICES & QUALITY**

|                              | Trade<br>Per Doz. |
|------------------------------|-------------------|
| The Chosan Hair Cream        | 10/6              |
| " " Wava (f. r. Ladies)      | 10/6              |
| " " Wava (for Ladies, large) | 16/-              |
| " Vanishing Cream 1-oz. Pot  | 10/6              |
| " Vanishing Cream 2-oz. Pot  | 12/6              |
| " Face Powder                | 11/6              |
| " Face Powder (large)        | 20/-              |
| " Brilliantine               | 10/6              |

Write us a postcard for our representative to call  
on you or let us send you a sample selection.  
Creators of the CHOSAN highly-perfumed Bath  
Cubes, the best sellers in the trade.

*The above lines are manufactured by*

**THE CHOSAN CO.**  
Grove House, Kew Foot Rd., Richmond, S.W.

**IT ONLY COSTS NINEPENCE PER LB.**

TO MAKE A FIRST-CLASS VANISHING COLD CREAM WITH

THE IDEAL  
BASE FOR

**WENO**

(REGISTERED)



VANISHING  
TOILET CREAMS

It can easily be made in about fifteen minutes.

1 lb. **3/6** - 4 lb. **13/8** - 7 lb. **23/4** net.

POSTAGE EXTRA.

SOLE AGENTS—

 **MEGGESON & CO., LTD.** 

NEW CHURCH ST., BERMONDSEY, LONDON, S.E.

**DECOLTENE**  
The liquid hair remover

The intelligent depilatory. Simple, safe and effective. Can be used while performing the toilet.

*Dinkie*  
The Daily Deodorant

The greaseless cream that takes all odour out of perspiration. Packed in attractive opal jars.

**DIADEM**  
Crème Rouge

Gives a natural colour to the cheeks. Far more convenient in use than dry rouge. Easily removable.

**DIADEM**  
Face Powder

Adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. In large artistic boxes, in distinctive style.

**DIADEM**  
Eau de Cologne.

A Perfume of most exquisite fragrance. Cooling, lasting and refreshing. In handsome sprinkler bottles.

**DIADEM**  
Vanishing Cream

A cream of rare purity and charm, put up in novel white globes and packed in dainty boxes in attractive style.

**DIADEM**  
WAX  
*For the Complexion*

Completely supersedes the customary greasy Toilet Creams. Pleasant in use and commands ready sales. In elegant large jars.

**DIADEM**  
Talcum Powder

The ideal powder for Nursery and Toilet. Choicely perfumed, and may be used with impunity on the most sensitive skin.

**TRADE TERMS.**

|                         |       | P.A.T.A. | Trade per doz. |
|-------------------------|-------|----------|----------------|
| Decoltene Depilatory .. | ..    | 3/9      | 30/-           |
| Dinkie Deodorant ..     | ..    | 2/6      | 20/-           |
| Diadem Face Powder ..   | ..    | 2/6      | 20/-           |
| " Complexion Wax ..     | ..    | 2/6      | 20/-           |
| " Crème Rouge ..        | ..    | 2/6      | 20/-           |
| " Vanishing Cream ..    | ..    | 3/9      | 30/-           |
| " Talcum Powder ..      | ..    | 1/3      | 10/-           |
| " Eau de Cologne ..     | 1 oz. | 1/9      | 14/-           |
| " " " ..                | 2 oz. | 3/3      | 26/-           |
| " " " ..                | 4 oz. | 6/-      | 48/-           |

**NOTICE.**

Artistic Showcards and Counter Matter free on request. Robartes' Preparations are obtainable from all leading wholesale houses.

Largely advertised in all the leading dailies, weeklies and monthlies.

Further particulars and descriptive booklet forwarded on request.

**ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C.1.**

# Enolin

## TOOTH PASTE

"STRONG" OR "MILD"

**The Super Paste**

If your wholesaler has not sent you sufficient advertising matter for window display, drop us a postcard and we will send you a good assortment, post free.

SOLE MANUFACTURERS & PROPRIETORS:

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# Zam-Buk Foot Baths



**NOW  
ADVERTISED  
ALL OVER  
GT. BRITAIN  
AND IRELAND**

**ORDER A SUPPLY TO-DAY**

*AND BE PREPARED FOR THE  
EXTRA DEMAND DURING  
THE SUMMER WEATHER*

**C. E. FULFORD, LTD., LEEDS**

IRISH AGENTS { Messrs. T. McMullan & Co., Victoria St., BELFAST  
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For LARGE BUYERS

For SHIPPERS

# Good Toilet Goods

SHAVING STICKS,  
BRILLIANTINES,  
DRY SHAMPOO (Liquid and Powder), BAY RUMS, TOILET  
PARAFFINS, LIME CREAMS, POMADE HONGROISE,  
TOOTH POWDERS, DENTAL CREAMS, VANISHING  
CREAMS, SHAMPOO POWDERS, and all TOILET GOODS.

SAMPLES AVAILABLE.

C. A. STOKES &amp; CO., Ltd., 11 Eclipsol Works, BRISTOL.

TRADE  
MARK

## "VASELINE" PREPARATIONS AND RELIABILITY

"VASELINE" Petroleum Jelly when used in Ointments contains more of the desired elements necessary for a universal base than any other known substance. It has emollient, antiseptic, healing and protective qualities in itself, is not easily acted on by chemicals, and, where properly protected from air and light, does not change. Also, when incorporated with other medicaments, they are not injured by the action of the base. These conditions have long been recognised by the leading Physicians, Surgeons and Pharmacists throughout the world. Animal and vegetable fats, on the other hand, are subject to change, forming various compounds which destroy the end for which they were intended.

*"Vaseline" is the Registered Trade Mark of the*

**CHESEBROUGH MFG. CO. (Cons'd.)**  
42 Holborn Viaduct - LONDON, E.C.1

*Complete Price List of all the "Vaseline" Preparations will be sent post free on application.*

FACE CREAM. TOOTH POWDER. NAIL POLISH  
" POWDER. " PASTE. HAIR CREAM  
BRILLIANTINE, Solid and Liquid. PERFUMES  
VIOLET POWDER. TALCUM. TOILET OATMEAL  
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

*Your own formula prepared, or we can supply ingredients if desired.  
Send for samples and quotations.*

**A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3**  
PHONE-AVENUE 1945.





# Unique BONUS OFFER for SNOWLEEN

The advertised Face Cream with a Profit of **82%**

## BONUS OFFER No. 16.

1 gross Snowleen 1/- @ 92/-  
£4 12 0

1 doz. Snowleen 1/-  
2 doz. Snowleen } FREE  
Shampoo 3d. }

Produces £8 2 0 or **82%** Profit.

## BONUS OFFER No. 17.

$\frac{1}{2}$  gross Snowleen 1/- @ 92/-  
£2 6 0

$\frac{1}{2}$  doz. Snowleen 1/-  
 $\frac{1}{2}$  doz. Snowleen } FREE  
Shampoo 3d. }

Produces £3 19 6 or **80%** Profit.

*Write for samples*

**WHITE BAND MFG. CO., Limited,**  
**CROYDON, SURREY.**

“  **REGISTERED  
TRADE MARK**  ”

# TOOTH POWDER

M.R.P.

# 6d.

PER TIN.

*Read this, from a  
satisfied Pharmacist:*

“Never sent a cheque with more  
pleasure, wish I could do a  
hundred times the amount, but  
this is only a small village.”

The Line that gives you 125 % profit. Make your  
order out as below and send on to us for the  
**SPECIAL WINDOW SHOW PARCEL.**

Please send me carriage paid, with Window Display matter,

OSYL TOOTH POWDER at **48 -** per gross.

OSYL TOOTH PASTE **7½d. .. 67 6** ..

OSYL TOOTH PASTE **1/- .. 108 -** ..

with bonus of  $\frac{1}{2}$  quantity ordered.

for which I enclose cash and undertake to make counter and window  
display in return for above special terms.

**LYSOL Ltd., Stratford, LONDON, E. 15.**



# VEN-YUSA

## Shampoo Powders

DAINTY

ATTRACTIVE

PROFITABLE

AND

Well Advertised

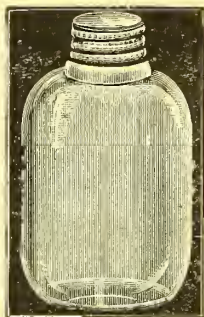


**PRICES**—3d. size, 11/- for carton  
containing 6 dozen Powders.

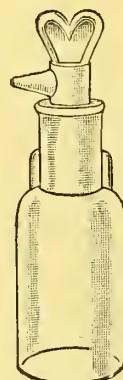
1/6 size, 13/6 per dozen  
cartons

# C. E. FULFORD, LTD., LEEDS.

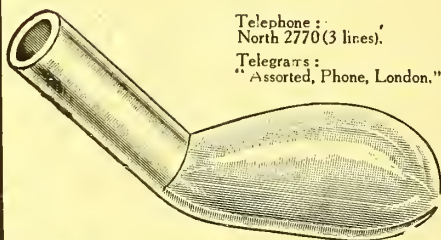
# BUY YOUR GLASS FROM STOCK



We cannot stock everything, but we can safely say that we have stock of the most saleable lines, including vials.



$\frac{1}{2}$  oz., 1 oz. & 2 oz.



Telephone :  
North 2770 (3 lines).  
Telegrams :  
"Assorted, Phone, London."

**JULES LANG & SON,**  
CHARLTON WORKS, CHARLTON PLACE,  
(Opposite Agricultural Hall) ISLINGTON, LONDON, N.

Warehouses also at Barnsbury and off City Road.

## India Rubber Corks & Tubing

*For the Chemical Trade.*

SUPPLIED IN

**ALL SIZES AND QUALITIES**

**GREY or RED.**

*Your inquiries solicited, upon receipt of which samples and prices will be submitted.*

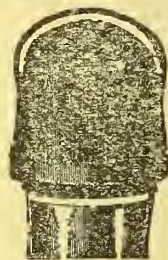
**GARDEN CITY RUBBER CO.**  
LETCWORTH, Herts.

Telephone :  
Letchworth 54.

Telegrams :  
"Rubber Letchworth."

**IMMEDIATE DELIVERY**

## GATES' BOTTLE CAPPING SKINS



**SNOW-WHITE OPAQUE  
ROLLED SKINS.**

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

*Sole Pioneer and Only English Manufacturer :*

**LESLIE GATES**  
HAILSHAM, SUSSEX.

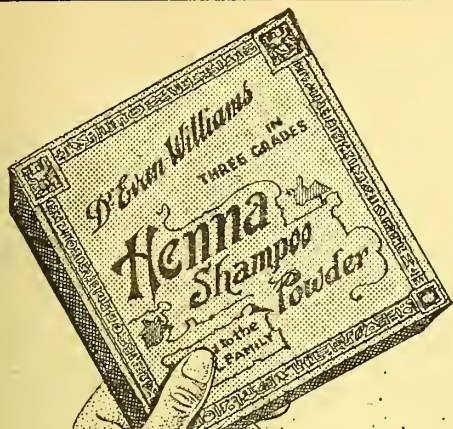
Another New Speciality.—Try my  
**TRANSPARENT SHEEPBAUDRUCHE  
CAPPING SKINS.**



ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.





**EVAN WILLIAM'S**  
ORIGINAL  
**Henna Shampoo**

Your Customers  
will insist on the

**Evan Williams'**

HENNA

**SHAMPOO**

having been taught  
by experience. Are  
you ready to meet  
their demands?

Stock moves freely  
at a handsome profit.

Full particulars are in-  
cluded in *The SHAMPOO*  
**SALESMAN**, which is  
sent free on request.

The **EVAN WILLIAMS CO., LTD.**,  
18 & 18a, Onle St., Foley St., London, W.1.



The Finest Quality  
Aerated Waters are  
made only with  
the Finest Quality  
**ESSENCES**

**BOAKE  
ROBERTS'**

Soluble Essences are  
of the finest quality  
and being extremely  
concentrated are  
most economical

|            |                       |
|------------|-----------------------|
| Lemon      | Ginger Ale            |
| Orange     | Stone Ginger (Cloudy) |
| Ginger     | Clear Ginger Beer     |
| Raspberry  | Kola Champagne        |
| Strawberry | Lime Juice and Soda   |
| Pineapple  | Lemon Squash Vanilla  |

*A. Boake, Roberts & Co. Ltd.*  
*Stratford, London, E15.*

# BIDWELLS' LTD.

## RELIABLE TOOTH BRUSHES.

|                     |      |
|---------------------|------|
| Gloria Silverdrawn, | 18/- |
| Mitre - - -         | 14/- |
| Elephant - -        | 12/- |
| Anchor - - -        | 10/- |

GROSS LOTS NAMED FREE. CARRIAGE PAID.

We do not Sell Foreign Tooth Brushes.

A selected £10 parcel of Hair Brushes from 30/- to 100/- per doz., carr. paid.

Made at our Factories, AXMINSTER, DEVON.

TRADE

MARK.



SURGICAL DRESSINGS AND CHEMISTS' SUNDRIES

JUST RECEIVED.

CONSIGNMENTS OF

from  
**Tooth Brushes 4/9**

dozen.

**Hair Brushes 20/-**

dozen.

EARLY INQUIRIES SOLICITED.

WRITE OR PHONE—

**ARTHUR BERTON, LTD.,**

Manufacturers,

Offices and Warehouse: 15-17 Worship Street,  
LONDON, E.C. 2.

Telegrams:

"Aybelim, Finsquare, London."

Phones:

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## The Mutual Traders

sell at lowest prices, guaranteed quality, **CALL NUTS, LOOFAHS, MENTHOL, DANDELION ROOT, PEPPER-MINT OIL, CHILLIES, CAMOMILES,** and other **DRUGS** and natural products.

Sole Export Agents of the NIPPON JOCHUKIKU KAISHA, growers of Pyrethrum Flowers.

## The Mutual Brush Company

manufacture and ship all kinds of **BRUSHES** (both formerly operating as the FUJI BRUSH COMPANY).

**BEAR IN MIND THAT WE**

1. ARE WHOLLY BRITISH AND AMERICAN.
2. GUARANTEE QUALITY.
3. NEVER FORGET THAT YOUR SATISFACTION MEANS OUR SUCCESS.

Telegraphic Address: "SIMSLAND."  
Codes: Bentley's, A B C (5th Ed.), Western Union.  
Bank References.

**24 Nakayamate Dori, 2 Chome,  
KOBE, JAPAN.**

## G. B. KENT & SONS, LTD.

Are known the World over as  
the Largest Manufacturers of

**BEST  
BRITISH  
BRUSHES**

Please write for full Particulars to—

**75 Farringdon Road, E.C. 1.**

**'Ongard'**

Guarded  
Coil



**Safety Pins**

RUST  
PROOF.

**For Surgical & Nursery Purposes.**

SOLE MANUFACTURERS

**GEORGE GOODMAN LTD.,  
BIRMINGHAM.**

Stocked by **JAMES L. HATRICK & CO., LTD.,**  
70 St. John St., Clerkenwell Rd., LONDON, E.C.1.



# MOUSLEY'S 'BEAVERPUFF'

Patent Nos. 4931 and 4932.

*The Ladies' Natty Friend.*



Just out. Demand great.  
Delightfully soft in use.  
Superior to artificial Puffs.  
Write for Prices and Terms

## F. A. MOUSLEY

(MAKER)

Priest Bridge, Mortlake,  
London, S. W. 14.

# CAMEL HAIR PENCILS

ALL SIZES

## THROAT BRUSHES

Bent or Straight. Wire or Wooden Handles.

## IODINE BRUSHES

# SHAVING BRUSHES

With Boxwood, Metal or Bone Handles.

LARGE VARIETIES ALWAYS IN STOCK.

*Also Puffs and Puff Boxes.*

**Wholesale & Export only supplied.**

## A. E. DEPRETER,

24 Holborn - LONDON, E.C. 1

# FEATHEREDGE Rubber Sponges

**LARGE STOCKS ARRIVING**

THOROUGHLY  
SANITARY  
AND  
DO NOT  
HARDEN

□-

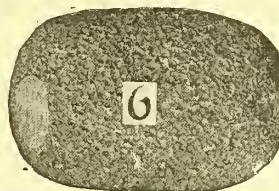
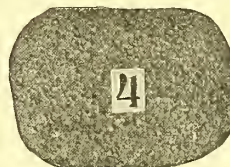
Very

**GOOD  
PROFITS**

for the  
Retailer

-□-

OBTAINABLE  
OF ALL  
DRUGGISTS'  
SUNDRIES  
HOUSES



## Markt & Co., London,

—LTD.—

American Merchants,  
SOLE IMPORTERS,

98-100 CLERKENWELL RD.,  
LONDON, E.C.

# BEST SHAMPOO ON EARTH

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## New Books.

*Income Tax and Super-tax, 1842-1919.* One folded sheet. 1s. (Oliver & Boyd, Edinburgh.) [A tabular view of rates of income tax, etc., reminders and advice regarding repayment claims, with tables of deduction of income tax; total super-tax on various incomes; dividends "free of tax"; tax relief by abatements, and rate relief on incomes up to 2,000.]

Lindley-Jones, W. *The Mercantile Year-Book and Directory of Exporters.* 7-in. x 5½ in. Pp. 792. 15s. net. (Lindley-Jones and Brother, 16 St. Helen's Place, Bishopsgate, London, E.C. 3.) [This, the thirty-third, or Peace issue, has been enlarged by eighty pages. The names of the exporters of allied and neutral countries in Europe have again been included, with the particulars of the goods they ship, while a large number of names have been added to the list of overseas importers and their buying agents on this side. In view of the keen competition which will shortly prevail in our export trade the value of this standard Directory cannot be over-estimated.]

Stopes, Marie C., D.Sc., and Wheeler, R. V., D.Sc. *Monograph on the Constitution of Coal.* 10½ in. x 7½ in. Pp. 58 + 3 pages of half-tone blocks. 2s. net. (Stationery Office.) [The monograph published for the Department of Scientific and Industrial Research, is based on a paper read by the authors before the London Section of the Society of Chemical Industry on January 15, 1917 (*C. & D.*, January 20, 1917, p. 44). It is a complete account of the scientific knowledge of the constitution of coal, and includes a useful bibliography of the subject.]

## Experiences of the Great War.

Contributions to this section are invited.

### XII.—In a Government Explosives Factory.

SOME seven years ago I left London to take up an appointment with a firm of manufacturing chemists in Australia. I had promised myself a trip home in five or six years, but little dreamt at that time of the turn of events which would see me back in England. Early in 1917 there was a call in Australia for chemists to proceed to England to engage upon explosives work. Having been successful in my application, I received my discharge from the army, in which I was then serving, to enable me to take up the work. Along with some forty others I sailed from Australia in May, 1917. The voyage was somewhat tedious; at the time the submarine menace was nearly at its worst, and the passage was extended from the usual six weeks to nearly ten, on account of our zig-zagging, circuitous routes in places, and various delays in ports. The formation of a chemical society on board helped to relieve the tedium, and our twice-weekly afternoon meetings always drew a full attendance. The subject-matter of our papers had a wide field, ranging from the refining of sugar to the geological features of the rocks of Aden. There were three or four pharmaceutical men among us, while university men, sugar chemists, metallurgists, and a few men from the Australian arsenal completed our party. We narrowly escaped being torpedoed when a few days from Plymouth, but a good turn of speed and the fact that we carried a six-inch gun saved us from renewed attention. Upon reporting in London we were apportioned out to various factories throughout the country. In company with about half our number I was sent to a factory not far from the Midlands, to work on T.N.T. To begin with I was put on nitration work under another chemist. At the end of a fortnight I was considered safe to work a relief shift on my own, and after a month or two of intermittent relief work, I was given a permanent shift. The work went on without intermission, twenty-four hours a day and seven days a week, in a combination of three shifts of eight hours, with a change of shift each week. The work was interesting to begin with, but became rather of a routine character after a time, and I was not sorry when after some six or eight months I was transferred to a new process for the purification of T.N.T. This process was a departure from all previous methods, and much trouble was experienced with it at the commencement; after the workers became more experienced, however, the process ran more smoothly, and my work correspondingly decreased. I was then given a roving commission on plant research, up to the time I left the factory. This last position proved exceedingly interesting; it provided a welcome variety after the rather monotonous period on process work, and incidentally was a fine experience. The scale of operations was so immense that a slight improvement in efficiency or recovery at any stage represented a very high monetary value. The costs department of the Ministry of Munitions provided statements of monthly costs and output of T.N.T. from each Government factory, and this inculcated a fine spirit of rivalry, stimulating as it did the competitive spirit of open trading. The shortage of high explosives had been pretty well overcome by the time I took up the work, but for some time we worked up to maximum capacity. Gradually, however, this urgency disappeared and more time could be given to improving all-round efficiencies. In Sir William Pope's recent Presidential address to the Chemical Society some interesting figures are given of the country's annual production capacity for the chief items in the explosives programme. His figure of 60,000 tons T.N.T. serves to indicate the enormous scale upon which the manufacture of this product was conducted. It would be futile to attempt any detailed description of the manufacture of T.N.T. in the space at my disposal, and I must confine myself to the barest outline. Toluene  $C_6H_5CH_3$  is nitrated to the tri-nitro derivative  $C_6H_2CH_3(NO_2)_3$ . For purposes of economy, efficiency, and safety the nitration

C



is effected in stages, generally three, which are roughly coincident with the formation of the mono-, di-, and finally tri-derivatives. The earlier stages are the most easily effected, and acids containing a considerable proportion of water may be employed. For the final stage, however, very little water in the nitrating acid is permissible, and in the earlier days of the war the shortage of oleum (sulphuric acid containing an excess of  $\text{SO}_3$ ) necessary for the preparation of the nitrating acid was the chief hindrance to production. In appearance and general properties toluene is very similar to benzene. With the addition of each nitro group the freezing-point of the product rises, until with the formation of the tri-nitro-toluene the product is hard and crystalline under ordinary conditions with a melting-point ranging from about  $16^\circ\text{C}$ . to  $80.6^\circ\text{C}$ ., according to the degree of purity. When pure, T.N.T. is white, but is very prone to colour changes, and consequently the commercial article varies in colour from a light lemon yellow to a dark amber. It is readily darkened on exposure to air and light, and is also similarly affected by contact with iron. On completion of nitration the product contains a good deal of acid in solution, and this is removed by agitation with repeated charges of boiling water. It will be evident that the constitution of tri-nitro-toluene permits of the formation of several isomeric forms. In actual practice only three of these are formed, one of them in the proportion of about 96 per cent. of the whole. The presence of the remaining 4 per cent. of isomers confers undesirable properties in the product, chief of which is a tendency to exude or sweat an oil of low freezing-point. For many purposes the removal of these two isomers is therefore desirable, and in the later period of work at the factory a considerable proportion of our output underwent a process of purification, having the removal of these isomers in view. Whether purified or not the product is finally dried and solidified in some marketable form. Scaling is probably the best method of presentation, and is largely adopted; it is obviously a safer method than casting in blocks and subsequent crushing. Finally, the T.N.T. is packed in boxes running fifty to the ton and railed to other factories, where it is (for the most part) mixed with ammonium nitrate to form amatol, the well-known high explosive. Most of the process work was carried on by girls; they were somewhat more attentive than men in matters of detail and repetition; but comparatively few possessed any sense of initiative. Male labour was reserved for some of the heavier tasks, and for a few operations requiring more judgment than could be expected from the girls. The manufacture of T.N.T. in a properly designed factory is a comparatively safe proceeding. T.N.T. is so insensitve to shock that fire is almost the only danger. In small quantity T.N.T. when set alight burns harmlessly away, but, if a large bulk of it be present, the temperature rises until the detonating-point is reached, when the whole mass instantly explodes. This indicates the extreme danger of fire, and consequently all precautions were taken to prevent or subdue an outbreak. The nitrators were connected each with a safety line, by which the entire contents of a pan could be discharged into a large pond of water in the event of the contents catching fire or getting out of control. The nitrating acid is very active and instantly set alight wood or cotton coming in contact with it. For this reason the nitration houses were constructed almost entirely of steel, and wood was conspicuous by its absence. The nitration and subsequent treatment of the product comprise but one section of a factory manufacturing T.N.T. The manufacture of the necessary acids and the concentration and revivification of the waste acids to produce fresh nitrating acid constitute a larger section of the factory than the actual manufacture of the T.N.T. itself does. The chemists on the factory were drawn from all branches of chemical work; very few had had any experience of explosives work prior to the war. The system of specialisation adopted, however, permitted anyone with a general chemical knowledge to grasp the salient features of his particular department very quickly, and the virtual standardisation of the steps of the process provided safeguards, while routine analyses at frequent points quickly detected any

unusual features in the process. The adaptability of the chemists in general was frequently the subject of favourable comment, and without doubt the work occasioned by the war has broadened the outlook and awakened the imagination of many of our younger chemists to-day. Although there may be little similarity between work on explosives and the various commercial branches of chemistry from which these men were called, they will return to their old avocations, and to new ones, in which the trials and experiences of their war-time work will be fruitful in ideas. JAMES HENDRY, Ph.C.,  
Adelaide, South Australia. —

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### War Regulations Altered.

**Condensed Milk.**—The Food Controller has sanctioned the following maximum retail prices: Full cream, sweetened, 1s. 2½d. per 14-oz. tin (net); full cream, evaporated, 1s. per 16-oz. tin (net); full cream, unsweetened, 11d. per 12-oz. tin (net); machine skimmed, 1s. per 16-oz. tin (gross). The Food Controller has also issued a form of return to all importers, manufacturers, and wholesalers of condensed and dried milk, for the purpose of ascertaining particulars of the accumulation of stocks in Great Britain and coming imports and manufactures.

**Glass and Glassware.**—The Ministry of Munitions has suspended from August 1 the Glass Control (Consolidated) Order dated September 19, 1917, and the Glass Control (Consolidated) Amendment Order, dated May 7, 1918. The Order will be known as the Glass Control (Consolidated Suspension) Order, 1919.

**Potassium Compounds.**—The operation of the Potassium Compounds Order 1917, as modified by the Potassium Compounds (Partial Suspension) Order 1919, was suspended from August 1 until further notice. The Order is known as the Potassium Compounds (Complete Suspension) Order 1919.

**Optical Munitions.**—The Ministry of Munitions has suspended from August 1 the Optical Munitions Order of November 23, 1918.

### Birmingham.

"We shall be closed because we cannot get things to sell," said a despondent trader lately.

A memorial of Sir Oliver Lodge's services to the City and University of Birmingham is proposed.

The bottle question is still a difficult one, and the pharmacist has to cajole the marine-store dealer for supplies or encourage customers to return empties.

The Board of Agriculture announces the existence of foot-and-mouth disease among animals near Kingsbury, Warwickshire. The usual precautions have been taken.

In Birmingham County Court the other day a patient was awarded 44l. 2s. and costs against Davy's Dental Surgery for neglect and unskilful treatment. The claim was for 64l.

The vagaries of the weather appear to have puzzled the pharmaceutical window-dresser, who, unable to decide whether it should be Thermos flasks and cough lozenges or corn solvents and antiseptic socks, has shown both.

Mr. S. A. W. Rushbrooke, Ph.C., M.P.S., has been appointed demonstrator in pharmaceuticals at the Birmingham Municipal Technical School. Mr. Rushbrooke is at present with Boots, Ltd., at Bath, having returned there after demobilisation in March. Joining the Army in 1916, he served in the Gas Section of the Royal Engineers. Mr. Rushbrooke studied at the Northern College of Pharmacy, Manchester (where he gained a distinction in pharmacy), and passed his Qualifying examination in April 1914, and his Major in the following June.



**Liverpool.**

Mr. H. Humphreys Jones has received many congratulations on his new distinction of A.I.C.

Mr. Henry Peet, J.P., has been busy swearing in special constables at Liverpool Town Hall.

Mr. E. F. W. Thorpe, Manchester, has acquired the business of Mr. T. C. Pask, Market Street, Hoylake.

A recent meeting of Liverpool doctors passed resolutions in favour of organising on a trade union basis and forming a branch of the Medico-Political Union.

Mr. D. Roger Rowlands, chemist and druggist, Mayor of Birkenhead, has struck an onerous period of office. This is one of the risks that cannot be foreseen.

A Liverpool pharmacist relates an almost daily experience as follows: "A man brought in at one o'clock an elaborate prescription. He wanted it dispensed in less than two hours as he was going out of town. I could not give the time for the dispensing amid the counter calls, and so I begged him to take the prescription (which, judging from its nature, could not be very urgent) to a chemist in the place whither he was bound. He complied reluctantly."

It is being asked here whether the postcards sent out to 10,000 pharmacists for a vote on the by-law required those penny stamps, or whether  $\frac{1}{2}d.$  stamps would have sufficed. Quite a number were not returned by men in this district, who felt that they had not sufficient information. They were not influenced, apparently, by the postcard sent out by the Liverpool Chemists' Association, containing the text of the resolution adopted at the special meeting held on July 29, followed by the words, "Have you sent up your Postcard?" in large type.

During the police strike and the rioting (with looting, *inter alia*, of casks of methylated spirit), pharmacists in the affected area cleared their windows. A genius whitewashed his glass and stuck a "To Let" notice in the centre of each window. Five pharmacists report broken windows, and every kind of retail business has suffered by the disturbances. Pharmacists do not live by bandages alone. One bit of "comic relief" deserves record. Some joker sent a boy round to a few chemists to buy "a bottle of anti-strike mixture"!

**Manchester.**

Manchester pharmacists are justly proud of their efforts in having raised the sum of nearly 1,900*l.* for the War Auxiliary Benevolent Fund.

Mr. T. Miller, hon. secretary of the Manchester Pharmaceutical Association, is *hors de combat* through an accident to his knee. His many friends will wish him a speedy recovery.

A word to the electors of the Lancashire and North-Western District (No. 5). Panel chemists are urged to vote for Mr. J. H. Nidd. He is a live chemist, and the local Association are confident that a better man for the job does not exist—and that's Lancashire!

Mr. Harry Teasdale Simmons, son of Mr. E. H. Simmons, pharmacist, Chapel Street, Salford, has passed the recent London University Matriculation examination. This is the second success Mr. Simmons's family have had during the last month (*C. & D.*, July 12, p. 42).

The delays on the railways are unprecedented. "It makes one absolutely disgusted to be in business nowadays," said a chemist the other day. A special parcel of goods that he had sent off the day before he left London by passenger train arrived three days after he got back, and he missed the sale of nearly 10*l.* worth of goods.

A well-known Manchester chemist is slowly recovering from a shock he experienced the other day. Nearly twelve months ago he ordered a gross of a well-known remedy, anticipating a little delay owing to a shortage of bottles (and, incidentally, two influenza epidemics). After sending three postcards and two letters concerning the non-delivery of the goods, he came to the conclusion that he could do without what he could not get. However, the other day the goods came—nearly twelve months late.

The premises of Mr. R. M. Graham Dobson, pharmacist, 566 Rochdale Road, were severely damaged on August 5 by a motor lorry, which crashed through a large side window. Woodwork and brickwork were hurled into

the shop, but Mr. Dobson and a customer just escaped injury. The whole of the dispensing department, in which there was a considered stock, was entirely destroyed. Small boys quickly helped themselves to such of the contents of the window as were lying exposed, and made off with them. Mr. Dobson immediately rose to the occasion, and got out a large card, inscribed, "We're still alive! The motor came through the window: you come through the door." The stock was not insured.

**Sheffield.**

Payments made to chemists for Insurance dispensing for the past month amount to 81*l.* 8*s.* 5*d.*

Formamint and allied preparations have secured window-displays in nearly all the leading pharmacies here.

The Royal Hospital authorities have appointed a lady with the "Hall" qualification to take charge of their dispensing.

The Yorkshire coal strike is making money very scarce in Sheffield, and the demand for anything in the way of luxuries is very small.

Mr. J. T. Appleton has been appointed by the Ministry of Labour as an additional pharmaceutical representative on the Sheffield Interviewing Board.

The strike-fever has spread to the employes of the Co-operative Societies in the Sheffield district for an increased war bonus. All the branches, except the drug departments, are closed down.

Mr. H. Tilsley, chemist and druggist, has been appointed by Eardley & Furnival to manage their Rammoor branch. Mr. L. B. Henderson, chemist and druggist, has been given the charge of their Broomhill branch.

**Miscellaneous.**

**ANILINE DYE INDUSTRY FOR EBBW VALE.**—New developments are to be instituted by the Ebbw Vale Company so soon as plant is available for the manufacture of aniline dyes.

**THE CHEMICAL SOCIETY** has applied for the grant of a Supplemental Charter. All petitions for or against the grant of the Charter should be delivered at the Privy Council Office not later than August 30.

**REDUCED WORKING-HOURS.**—William Edge & Sons, Ltd., Dolly Blue Works, Halliwell, Lancs, have inaugurated a scheme for the reduction of their working week from 55½ hours to 47½ hours. No reduction in wages is proposed.

**CHEMICALS IN STREET ACCIDENTS.**—Three street accidents with or involving chemicals were reported in London on August 2. The cases were those of (1) a lorry loaded with sixty carboys of sulphuric acid, two of which were destroyed by fire, (2) a lorry loaded with forty-nine carboys of nitric acid, seven of which were similarly lost, and (3) a pipe leading to an ammonia tank at the rear of a shop. The last-named, bursting, proved an effective lachrymator.

**IN THE COURTS.**—At Mansion House Police Court, London, on July 31, Thomas Woodcraft (18), described as a job buyer, and giving an address in Bethnal Green, was charged with stealing a Ford motor-car, value 236*l.*, and medical stores, value 84*l.*, the property of Burroughs Wellcome & Co., manufacturing chemists, Snow Hill Buildings, E.C. The evidence showed that on July 30 a driver in the service of prosecutors was in the City delivering goods with the car. On returning, after having left his car a few minutes, he saw the vehicle vanishing into another street. He gave chase and succeeded in overtaking it. At the adjourned hearing on August 6, Woodcraft was sentenced to two months' imprisonment in the second division.

**BOOTS, LTD.**, have acquired the business of Mr. J. S. Livsidside, Ph.C., Coney Street, York.

Mr. W. H. HARRIS, chemist and druggist, has acquired the business of the late Mr. J. F. Forster, chemist and druggist, Castle Street, Dover.

Mr. DANIEL OGLIVIE EVANS, chemist and druggist, 7 West Street, Ashburton, who died on May 16, left estate valued at 1,055*l.* 18*s.* 9*d.* gross, with net personalty 490*l.* 17*s.* 4*d.*



## Irish News.

### Personal.

Mr. A. W. Mann, Ph.C., Lurgan, has received congratulations on the success of his sons at Trinity College, Dublin, one of whom passed his entrance and junior freshman examination, while the other has been appointed organist of the University Musical Society.

### Belfast.

Mr. W. J. Busby, R.D., managing director of Harmur, Ltd., chemists, Ann Street, Belfast, will be entertained to a complimentary dinner by the trade prior to leaving for Canada (*C. & D.*, July 12, p. 43).

A property deal, carried out in Belfast recently, involved, among other premises, the well-known pharmacy of Mr. James Tate, Ph.C., Royal Avenue. The change will not affect the business, which will still be carried on by Mr. Tate.

Mr. Joseph Moffet, R.D., 225 Donegall Road, Belfast (Treasurer of the Dental Society of Ireland), obtained the diploma of the College of Optics at the recent examination in Belfast. Mr. Moffet is a member of the Committee of the Chemists' and Druggists' Society of Ireland.

At Belfast Police Court on August 1, Simon McGeown and Denis Couser were committed for trial at the Belfast Recorder's Court on a charge of breaking into the premises of Elliott, Thompson, Blair & McCormick, wholesale druggists, Corporation Street, and stealing a quantity of goods, including over 19l. in postage stamps.

## Scottish News.

### Brevities.

Mr. H. G. McKilligin has acquired the business of Mr. William Main, 176 High Street, Elgin.

Claims against the estate of the late Mr. George Wilson, chemist, Coldstream, should be lodged with Melrose and Porteous, Coldstream, within ten days.

Mr. J. Buchanan, chemist and druggist, Leven, who has been in indifferent health for a considerable period, has been ordered a complete rest from business.

Mr. William J. Tolmie, chemist and druggist, who has just been released from the Army, has opened in business at 7 Francis Street, Stornoway. Mr. Tolmie is already well known in this locality.

Professor Cathcart, who has just been appointed to the Gardiner Chair of Physiological Chemistry, Glasgow University, is a well-known authority on dietetics in connection with researches on diabetes.

A Scottish chemist, after supplying on an Insurance form the other day lint, G.P. tissue, a pint of lotion, wool, and a good stock of bandages, had to listen to the following from the patient: "That's the worst o' the Insurance—ye ha'e tae dae yer ain dressin'."

### Edinburgh.

Colonial silver is in circulation here, but the banks will not accept it.

The most harassed-looking being in local pharmacies, says a correspondent, is the unfortunate whose task it is to overtake the arrears of photographic developing and printing.

The Early-closing Order for Edinburgh, drafted by the local authorities on March 18, has been sanctioned by the Secretary for Scotland, and is now in force. The Order prescribes 7 P.M. as the closing-hour on five days of the week, and 8 P.M. on Saturday.

### Scottish Chemists' Retail-price List.

The following are among the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs*.—Creta camp. (12½ per cent.), 6d. oz.; lini sem., 1s. 4d. lb.; lini sem. contus., 1s. 2d. lb.; lin. methyl sal. co., 1s. 6d. oz.; menthol, 10d. dr.; ol. cinnam., 2s. 6d. dr.;

pot. chlor., 4d. oz.; resorcin, 7d. dr.; sodii salic., 8d. oz.; tinct. hyoscy., 1s. oz.; tinct. lavand. co., 1s. oz.; ung. hydr. co., 1s. oz. *Packed Goods*.—Bay rum (indust.), 4-oz. bot., 1s. 6d.; Bland-pill caps., 2 doz., 1s. 2d.; castor-oil caps. (30-m.), 2 doz., 1s. 6d.; Gregory-powder caps. (30-gr.), 2 doz., 1s. 9d.

A provisional scale of minimum dispensing-charges has been issued by the Glasgow and West of Scotland Chemists' Association pending a meeting to be held in September for the purpose of discussing the subject. The following are a few of the prices suggested: *Mixtures* (½-oz. dose).—3-oz., 1s. 8d.; 4-oz., 2s.; 6-oz., 2s.; 8-oz., 2s. 8d.; 10-oz., 3s.; 12-oz., 3s. 4d. *Powders*.—6, 1s. 4d.; 12, 2s. *Baby-powders*.—12, 1s. 6d. *Draughts*.—1-oz., 8d.; 2-oz., 1s. *Ointments* (pots extra).—1-oz., 1s. 8d.; 2-oz., 2s. 6d. *Pills*.—6, 1s.; 12, 1s. 4d.; 24, 2s. *Cachets*.—6, 1s. 6d.; 12, 2s. 6d. *Specialties* (costing from 2s. 1d. to 3s. per lb.).—1 oz., 10d.; 4 oz., 3s.; 1 lb., 5s. to 6s. *Fellows's Syrup*, 4s. oz. *Lactopeptine*, 6s. oz. *Lotions* (General).—3-oz., 1s.; 6-oz., 1s. 6d.; 8-oz., 2s. These prices are based on a scrutiny of the charts filled up by chemists (*C. & D.*, August 2, p. 39), and are of special interest at the present juncture. It is understood that concerted action towards increasing the prices of proprietaries is also to be taken soon.

## South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

**BUSINESS CHANGES.**—Mr. John Fulton has purchased the business of Mr. J. N. Choat, East London.—Mr. J. G. Hobkirk, late with Stranack & Williams, has taken over the pharmacy in Clarence Road, Durban, formerly owned by Mr. J. Gellately.

**CAPE PROVINCE PHARMACY BOARD.**—The half-yearly examinations were held at the Board's headquarters, Parliament Street, Capetown, on May 7 and 8. Four candidates presented themselves for examination, and all failed. The examiners were Messrs. Parry, Mager, Cleghorn, Darrol, and Dr. Murray.

**BUSINESS** in Durban has been extremely good of late. There are a good many cases of influenza in the town and district, and the epidemic hospital established by the municipal authorities on the Beach has been well filled during the past two months. Those whose lot it has been to spend a week or two there are unstinting in their praise of the excellent and skilful treatment received.

**P.A.T.A.**—An attempt is being made in Durban to form a branch of the South African P.A.T.A., and it is to be hoped that the movement will be established as successfully as in Cape Town. Hitherto, chemists in Durban have been well served by their Price List Committee, which has kept a watchful eye upon movements in the prices of proprietaries, and it is a matter for congratulation that the price-list published in 1912 and republished in July 1918 has been adhered to in a manner which reflects creditably on the chemists of Durban. However, it has been felt that something stronger is necessary as a means of preventing cutting such as has taken place in Johannesburg and Cape Town by storekeepers dealing largely in toilet articles and goods stocked by chemists.

**SALT AND SODA.**—The South African Salt Owners' Association has produced over 500,000 bags of coarse salt during last season, and it was stated at a meeting of the Association recently that this quantity could be quadrupled if better means of transport were available. The Association considered it advisable to create an export trade in the southern hemisphere. It was thought that vessels returning to Australia, Japan, and East Africa might load salt at a low rate of freight or as ballast. A rich discovery of soda carbonate, potash and other alkalis is reported from a property in the vicinity of Klerksdorp. The Government has been informed of the discovery and application has been made for discoverers' rights on







## India and the East.

(From the "C. & D." Correspondents.)

**THE LATE CHARLES W. WHITE.**—The Bombay Drug and Chemical Merchants' Association informs us that, as a token of respect to the memory of the late Mr. White, business was suspended by their members on July 5, when the news of his death was announced, and a telegram of sympathy was sent to his brother, Mr. Walter White. In the course of a letter of condolence to Burgoyne, Burdidges & Co., Ltd., the Association said:

Mr. C. W. White has worked among us for the long period of nearly thirty-five years as a friend and adviser. He was always ready to attend to our call and put matters right if there was anything wrong. He was of a cheerful disposition, and his mind was always engaged in meditation for the welfare of his Indian friends. Born as a noble Englishman, he was proud to be called "Charles W. White of India." He loved his Indian friends just like his English friends, having no distinction about black or white, rich or poor. He treated all alike, and his heart was very generous.

**BUSINESS CHANGE.**—The old-established business of Thomson & Taylor, 117-119 Esplanade Road, Bombay, has been acquired by a syndicate of Calcutta men, comprising Mr. Frank Ross, Mr. H. G. Harris (Martin & Harris), and Mr. C. H. Booth, who are to convert the business into a limited liability company under the style of Frank Ross & Co. (Bombay), Ltd., but the old name will still be retained. Commenting on the above change, "Capital," in its issue of July 4, says:

We pride ourselves on giving Calcutta the lead in many things, but it has hurt our *amour propre* to find that it has been left to Calcutta enterprise to restore to us a "chemists' and druggists' business equal to Treachers' in their palmiest days. Messrs. Frank Ross & Co., Ltd., are about to absorb the flourishing house of Messrs. Thomson & Taylor, and I hear that the purchase price is two lakhs of rupees. Mr. C. B. Robinson, the sole proprietor of the firm, came to Bombay in the early 'eighties as a chemist to Treacher & Co., and after a few years bought his present business from the late Mr. Taylor. It was a small affair then compared with Treachers', Kemps', and Phillips', but by steady perseverance he extended it, and made it second to none in the estimation of the public. . . . There is a spice of romance in the circumstance that Mr. Frank Ross was once an assistant to Mr. Robinson.

**BUTTO KRISTO PAUL.**—The anniversary service of the death of the late Mr. B. K. Paul, founder of the well-known firm of B. K. Paul & Co., wholesale druggists, Calcutta, was held on Sunday, July 6, at the University Institute Hall. Sir Asutosh Choudhuri presided over a large gathering, which included Sir P. C. Roy, Mr. J. Choudhuri (barrister-at-law), Dr. S. K. Mullick, Kabiraj Gananath Sen, Babu Panchouri Banerjee, Amrita Lal Bosu, Atul Krishna Goswamy, Mr. P. C. Lahiry, Mr. S. K. Raha, Mr. R. M. Mittra, Mr. K. L. Dutta, Babu Hemendra Nath Sen, the Hon. Radha Ch. Paul, Babu Atoti Lal Ghose, Babu Joytish Ch. Ghose, Babu Krishna Mumar Mittra, Babu Sarat Ch. Dutt, and others. The proceedings opened with songs and recitations, after which a number of eulogies were made, the following being from "The Bengali":

Sir P. C. Roy said that the deceased was a worthy son of Bengal, and the young men of to-day would do well to take after him. He was not born with a silver spoon in his mouth. University education exhausted the vitality of the student. But if the young men had honesty, perseverance, and other virtues of Butto Kristo Paul, they would prosper like him. In former times druggists bought drugs through middlemen, but Butto Kristo Paul struck a new path and began to import medicines direct from Europe. There was a vast field in India, and everyone could do something if they worked in the way deceased did. That European druggists sought favour and patronage at the hands of the proprietors of B. K. Paul & Co. was a source of pleasure to him (the speaker) in view of the fact that Indians generally sought favour of Europeans, and the departed worthily reversed that order in the same way as the Indian capitalists of Bombay had done. Sir Profulla Chandra also spoke of the firm's charity towards the members of the Gandha-Banik caste, the caste to which Butto Kristo Paul belonged. The speaker paid glowing tributes

of honour to Banu Bhut Nath Paul, the founder's eldest son.

Babu Panch Courie Banerjee quoted from the "Mahabharat," which said that the people who depended on others for the supply of medicine among other articles of daily consumption could not live. The people of India were reduced to the same state of helplessness and dependence until Butto Kristo Paul appeared. Now through his initiative even Europeans at times had to depend for the supply of certain medicines on his firm. Butto Kristo set a noble example how to stop the flow of wealth from India. He was the first to see the vast possibilities of business in medicines, and he had demonstrated the potentialities of trading on new lines.

Babu Amrita Lal Bosu considered the meeting as unique, for there was formerly no practice of discussing the life of a merchant and of making a public demonstration of it. He complimented the deceased as gifted with the instinct of knowing how to proceed abreast of the times.

Dr. S. K. Mullick was sanguine of a hopeful future for the Bengalis as a race. In his opinion the demonstration would not have been in vain, if at least a dozen from among the gathering had imbibed the spirit of Butto Kristo and worked in the interests of industrial revival.

Babu Krishna Kumar Mittra was also optimistic about the Bengalis as a race. They had worked wonders in various directions, and, in view of that, the assistance of Europeans as professional men had been dispensed with.

Babu Sachindra Nath Mukherjee characterised the deceased as a hero in commerce. Without academical education he set up himself in business and wrought miracles. He exhorted the audience to follow his example and start business on independent lines, and become self-reliant like the departed worthy.

Pandit Atul Krishna Goswamy urged that the life-story of Butto Kristo should be listened to through the heart and not merely through the ears.

Sir A. Choudhuri (the President) said in his opinion the time had come when they should learn not to say anything if there was nothing new to say. In European countries parents and guardians planned the career of their sons beforehand. But in India there was no such planning, and parents did not know what they meant their sons to do. Education was imparted in India quite irrespective of the circumstances of the guardian, and subjects of study were taken with no aim. There was even a combination of botany with Sanscrit, though the speaker did not know what connection the former subject had with the latter. Sir Asutosh advised a well-thought-out course for young men with a view to earning a livelihood, and condemned the present custom of rushing into a University course without a definite aim. Bengalis as a nation, he said, were exceptionally clever, but the pity was that they had become lazy and ease-loving.

## Colonial and Foreign News.

**INDO-CHINESE SCIENTIFIC INSTITUTE.**—A scientific institute has been founded in Indo-China, and endowed with a million francs. Experiments are to be made as to the probability of introducing cinchona culture into this French colony.

**SULPHURIC PLANT FOR JAVA.**—Recent investigations have shown that the mud of Lake Telga Bodas, Java, contains 80 per cent. of sulphur, and the Dutch Government proposes to erect a plant for the manufacture of sulphuric acid.

**EXHIBITION IN PARAGUAY.**—The National Pharmaceutical Society of Paraguay has decided to establish in Asuncion a permanent exhibition of pharmaceutical products, chemicals, biological preparations, etc., which will be opened on October 12.

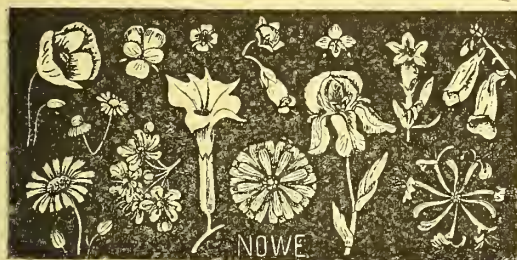
**SWISS ECONOMY.**—The necessity for economy in prescribing for sick-club patients has resulted in the elaboration, in some Continental countries, of special formulas. The Swiss Pharmaceutical Society recently suggested the inclusion of these formulas in the Pharmacopoeia, and the Board of Health has proposed a joint discussion of the question between the doctors, pharmacists and Pharmacopoeia commission.

**CHINESE CHEMICAL INDUSTRY.**—Several factories have been erected in the province of Kwan-tung for the production of sulphuric acid, caustic soda, creosote, stearin,



glycerin, and soap. The raw materials are obtained from Manchuria, but as these are available from other parts of China; it may be possible to develop the chemical industry throughout the country. Oils for the manufacture of soaps and ointments, sheep's wool for producing lanolin, cotton for bandages, seaweed for the production of iodine, ample raw material for calomel, caffeine, and pitch, as well as for alcohol, ammonia, various acids, etc., are all obtainable.

**NEW POLISH PHARMACEUTICAL JOURNAL.**—The pharmacists of Lwow (Lemberg), the capital of Galicia, have issued a new professional journal, the "Nowe Czołpismo Aptekarskie," in Polish. The contents of the number before us affords another proof of the necessity of cultivating closer relations with our liberated Polish confrères. In this copy we find an appreciation of



## CZASOPISMO APTEKARSKIE

THE TITLE, WITH DESIGN OF MEDICINAL PLANTS.

Schmiedeberg, and a review of German works, one of which deals with hydrastis, followed by a review of W. van Fleet's U.S. farmer's bulletin 613, "Golden seal under cultivation," and H. Guyot's "Le gentiana lutea et sa fermentation" (Geneva). We also note the results of the analyses of American lard, and of three brands of condensed milk.

**THE NATIONALISATION OF PHARMACIES** in Hungary was recently accomplished, and the pharmacies have been placed under the authority of the People's Commissary for Labour and Public Welfare. The former owner of a business, now merely manager, may not receive a higher remuneration than that paid to the highest salaried workman in the pharmacy. Owners who are unable to pay the salaries, wages, etc., fixed by the Decree of May 1, are to report to the Commissary. The wholesale trade in drugs and chemicals for medicinal use has also been nationalised, and the existing houses have been grouped together under the title of "Central Medicinal Supply Board of the Councils' Republic." The Government placed a sum of twenty million crowns aside for the supply of medicaments. The sanatoria, mineral waters, and spas were also nationalised, and will be utilised first for the benefit of workmen, the doctors in charge being compelled to continue their duties as managers of these various institutions, of which they may have been formerly the proprietors.

**REPORTED DISCOVERY OF A NEW ALKALOID.**—The chemists of the United States Department of Agriculture, in conjunction with the Bureau of Plant Industry, claim to have extracted a new alkaloid from the plant called in Mexico "Gobernadora" (*Corillea tridentata*), which grows in the semi-arid districts of Mexico, New Mexico, etc. The odorous characteristics and medical properties of this plant have long been known to natives and explorers, but it is only just recently that the presence of a new alkaloid has been recognised. The possibilities of this alkaloid in chemical and pharmaceutical preparations are now being investigated. "Gobernadora" is a shrub which grows in vast quantities in the States of Zacatecas, San Luis Potosi, Coahuila, and Durango, a little north of the Tropic of Cancer, in about the same zone as guayule is cultivated. It grows to a height of from one to one and a-half metres. It is estimated that a million tons of ashes, rich in potash, can be produced yearly from the green shrub now growing.

## Legal Reports.

**Unstamped Medicines.**—At Marlborough Street Police Court, London, on August 6, Will & Co., Ltd., manufacturing chemists, Sackville Street, W., were fined a total of 40l. on several counts for selling at 95 New Bond Street bottles of medicine not bearing the required Government stamps.

**Camphorated Oil.**—At Bishop's Stortford Petty Sessions, on July 31, Parrott's, Ltd., chemists, were summoned for selling camphorated oil deficient in camphor. The certificate of Dr. Dyer, county analyst, which was produced for the prosecution, showed the deficiency to be 7.3 per cent. For the defence it was stated that the oil was prepared on the day prior to the sale. The full amount of camphor was put in, but had not dissolved when the sample was taken. The Bench regarded the offence as a technical one, and imposed a fine of 5s., plus the analyst's fee.

**Disputed Soap Accounts.**—In the City of London Court, on July 31, before Sir John Paget, K.C., Deputy Judge, Kearley & Tonge, Ltd., Mitre Square, claimed 4l. 6s. for 2 cwt. of toilet soap supplied to F. L. Marshall, Oxhey, Watford. Mr. W. L. Dell appeared for the plaintiffs. Skinner, one of the plaintiffs' clerks, said that the soap was supplied in August 1917. Defendant said that he had paid for the soap. Defendant, in cross-examination, admitted that he had a current account with the plaintiffs. Since 1917 he had been asked three times for the money. He had seen the plaintiffs' books on their invitation, but that did not prove to him that the money was owing. The Deputy Judge said that the defendant had put in a receipt dated March for soap delivered in August. There was nothing in that. There had evidently been a running account between the parties. Plaintiffs had given defendant credit for the amount of the receipt produced. Judgment for the plaintiffs, with costs.

**Venereal Disease Act.**—At the London Sessions on August 6, before Mr. Allan Lawrie (Deputy-Chairman) and a jury, the charge against Mr. William Shadforth, Ph.C., and Mr. John Wilson, chemist and druggist, of contravening the Venereal Disease Act, was heard (*C. & D.*, August 2, 1919, p. 41). Both defendants pleaded not guilty. Mr. Travers Humphreys, opening the case for the prosecution, went over the same ground as when the prosecution opened at Bow Street. Mr. W. A. Bunce, of the advertising department of "The Daily Telegraph," said he saw nothing objectionable in the advertisement received from Mr. Shadforth. Mr. Moss Woolf, advertising agent, said the advertisement appeared in a great number of papers, and was not questioned at all. Evidence was given that the ingredients in defendants' "606" were quite different from those of salvarsan, which was an arsenical compound. Defendants' formula is as follows:

(Formula 606.)

|                   |     |     |                           |
|-------------------|-----|-----|---------------------------|
| Potassium iodide  | ... | ... | 1½ gr.                    |
| Sodium iodide     | ... | ... | ¼ gr.                     |
| Iron iodide       | ... | ... | 1/5 gr.                   |
| Quinine iodide    | ... | ... | 1/30 gr.                  |
| Mercuric iodide   | ... | ... | 1/100 gr.                 |
| Mercuric chloride | ... | ... | 1/64 gr.                  |
| Nux vomica        | ... | ... | ½ gr.                     |
| Stillingia        | ... | ... | } Traces to make a tablet |
| Jacoranda         | ... | ... |                           |
| Sarsaparilla      | ... | ... |                           |

Dose: one or two thrice daily till the skin becomes clear.

Dr. G. A. Hamerton said that any intelligent man reading defendants' formula would say it was for the treatment of syphilis. Mr. Curtis Bennett pointed out that the section referred to the actual dealing with a person with venereal disease; it was no offence merely to sell the remedy. He submitted that there was no evidence of treatment, prescribing, or the giving of advice. The Deputy-Chairman, however, decided that he could not withdraw from the jury's consideration any of the counts relating to Shadforth, but he withdrew all charges connected with the advertising in so far as they affected Wilson. Mr. William Shadforth, giving evidence, said



he was the governing director of Shadforth's Prescription Service, Ltd., which had a staff of over fifty. Wilson was the senior assistant at Grove Road, Bow. Defendant denied that he had ever at any time advertised any remedy for venereal disease. There were 1,200 formulae in connection with his business. He felt very strongly upon the question of the Venereal Disease Act, 1917, and went so far in his protest against it as to stand as an independent Parliamentary candidate at the last election. Mr. Frampton (defending): What attitude did you take when the Act became law with regard to your business?—First I wrote to every member of Parliament to say that I should defy the Act. Then I said, "No; I'll conform to it, but I still protest," and I informed my staff that they had to conform to it. I went farther than the Act, and said they were not even to sell remedies for venereal disease, although it was perfectly legal. He added that he never intended his formula 606 to have any relation to the German remedy for syphilis, salvarsan, and he gave it no special prominence in his advertisements. Compounds similar to his "606" were sold everywhere by chemists. Cross-examined by Mr. Oliver, defendant admitted that he had made a special study of venereal disease, but he denied that he carried on a good business in the curing of the disease before the passing of the 1917 Act. When people asked for treatment he told them to see a doctor, but if they persisted he yielded. It was a trivial portion of his business. Counsel: I suggest that this prescription "606" is a very good cure for syphilis?—It is a very good remedy for syphilis. He denied that he recommended this remedy. When the Act was passed you were very angry. Did you write this to Sir Edwin Cornwall? :

For many years I have openly, honourably, lawfully, and successfully supplied the remedies and treatment for venereal diseases.

Defendant: Yes, it is true. Further questioned, he gave it as his opinion that the disease could be cured by the taking of medicine through the mouth as opposed to injection. By this method it had been cured for hundreds of years. He admitted that prior to 1917 he had used his formula 606 for the treatment of syphilis. It was true that he wrote the following letter to Sir Edwin Cornwall :

I venture to approach the Government through you to say: (1) That it is impossible for me to remain loyal to this Act and retain my self-respect; (2) that I do not wish to evade it, the easiest thing in the world. I intend to go on just as usual and treat all persons suffering from venereal or any other diseases who have confidence in me. If the Government is determined on this act of oppression . . . I am very much afraid it has no option but to keep me in prison.

Re-examined, defendant said he subsequently wrote a withdrawal of his threat to defy the Act, which he had since loyally obeyed.

The case was resumed on Thursday, August 7, when Mr. Curtis Bennett concluded his address to the jury on behalf of defendants. The Deputy-Chairman afterwards summed up, directing the jury that so far as the defendant Wilson was concerned there had been no evidence to show that he was guilty of the counts under the section of the Act relating to advertising treatment for syphilis. After an absence of twenty minutes the jury returned a verdict of guilty against Shadforth on all the counts, and of guilty against Wilson on those relating only to prescribing and treatment. The Deputy-Chairman sentenced Shadforth to four months' and Wilson to three months' imprisonment in the second division. He also ordered Shadforth to pay the costs of the prosecution. A full report of the concluding proceedings will appear next week.

**HELP FOR HUNGARY.**—The Danish Red Cross is sending goods to the value of 20,000 kr. to Vienna and Budapest, including cod-liver-oil and medicines, particularly narcotics, in answer to an appeal on behalf of the small children. The narcotics are intended exclusively for hospitals. The Norwegian Government is sending 10 tons of cod-liver-oil for the Vienna children, and the second food consignment, from America, will include 6 tons of this product.

## New Companies and Company News.

**P.C. means Private Company and R.O. Registered Office.**

**MOTT & Co., chemists, 48 Piccadilly, Hanley. Limited** partnership commencing July 1, terminable only by death or mutual agreement. General partner: S. J. Mott, 48 Piccadilly, Hanley. Limited partner: H. E. Belsher, 186 High Street, Bloxwich, contributing 750*l.* in cash.

**GEORGE DUTTON AND SON (BOLTON), LTD. (P.C.).**—Capital 50,000*l.* Objects: To take over the business of a wholesale druggist carried on by F. R. and G. A. Dutton at Bolton as "George Dutton and Son." The first directors are: F. R. Dutton, G. A. Dutton, and J. G. Bradburn.

**DAVIES, COLEMAN & Co., LTD. (P.C.).**—Capital, 7,500*l.* Objects: To carry on business as manufacturers of, and dealers in, optical, ophthalmic, nautical, meteorological, mathematical, philosophical, aeronautical, surveying, photographic, surgical, dental, medical, electrical, and scientific instruments, apparatus and appliances, ophthalmic lenses, spectacles, eye-glasses and frames, sight-testing instruments, etc. R.O.: 40 and 42 Holborn Viaduct, London, E.C.

**SPARKLETS, LTD.**—Capital, 300,000*l.* Objects: To take over all or part of the business, patents, and property of Aerators, Ltd., also to carry on the business of manufacturers of and dealers in all materials which may be employed in the manufacture of compresses, liquefied or other gases, appliances capable of being used for closing or stopping bottles or receivers, or for liberating the contents thereof, and the tools and machinery used in the manufacture of any of the above, etc. The first directors are J. W. Orde, Harford House, Beaulieu, Hants; A. W. Haschke, Roscombe Lodge, Pembroke Road, Woking; G. C. Aguet, Millhouse, Holmwood; H. V. R. Read, 16 York Terrace, Regent's Park, N.W. 1; R. H. Campbell, 29 Prospect Hill, Walthamstow, technical director; and K. S. Murray, 1 Portman Mansions, Baker Street, N.W. 1. R.O., 109 Victoria Street, London, S.W. 1.

**YATE CHEMICAL WORKS, LTD.**—W. S. Morgan, of 3 Pembroke Villas, W. 11, has been appointed receiver by Order of Court.

**UNITED GLASS BOTTLE MANUFACTURERS, LTD.,** which was formed six years ago, offer 100,000*l.* ordinary shares of 1*l.* each at 21*s.* per share, and 75,000*l.* 5 per cent. first mortgage debenture stock at 95*l.* per cent. It is intended so far as possible to give preference of allotment to customers and the staff of the company. The company is an amalgamation of six glass-bottle manufacturers in the United Kingdom, and the estimated production of the various works at the present time is 150,000,000 bottles per annum. The company has made arrangements for the erection of large modern works at Charlton, in Kent, for the installation of entirely automatic machinery.

**MOND NICKEL CO., LTD.**—The annual general meeting was held on July 24 at the Central Hall, Westminster, Mr. Robert Mond, J.P. (Chairman of the company), presiding. In moving the adoption of the report and accounts, the Chairman said that the Board had placed the whole of the company's output of nickel at the disposal of the Government, and, in spite of difficulties of labour and material, had doubled the output between 1914 and 1917. The production of their other main product—copper sulphate—had also doubled during the war. As a result of lengthy chemical research the company had been able to elaborate a mixture called "Blighty," which only required dissolving in the requisite amount of water to form the best spraying mixture. They were satisfied with the progress that article had made on the market. At home the Board of Agriculture had fixed a much lower price for copper sulphate than that ruling abroad, by which the farmers in this country had benefited. The platinum and palladium from the residues of the refining process had helped to supply the enormous war demand for these precious metals. The report was unanimously adopted.



## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### THE PARLIAMENTARY RECESS.

Our Parliamentary correspondent learns that the Summer Recess is unlikely to commence before the middle of August, owing to the great amount of business yet to be transacted.

### THE PEACE TREATY RATIFIED.

The Peace Treaty has been ratified by this country, the Royal Assent having been given on July 31 to the Treaty of Peace Act and the Anglo-French Treaty (Defence of France) Act.

### WEIGHTS AND MEASURES ACT.

Mr. Alfred Short, on August 5, asked the Secretary of State for the Home Department whether he has received any representations in favour of the administration of the Weights and Measures Act being transferred from the police and put in the hands of civilian inspectors; and whether he will consider the advisability of taking steps to this end.

The Secretary of State for the Home Department (Mr. Shortt) replied that the question has received much consideration, but he did not see his way at present to interfere with the discretion vested in local authorities with regard to it.

### AERATED WATERS ON THE NORTH-WEST FRONTIER.

The Secretary of State for India announced on August 5 in the House of Commons that he had received a long telegraphic despatch from India regarding the health and comfort of the troops on the N.W. frontier, in which it is stated that there are already working twenty-two soda-water machines, and that six are on their way to the frontier. The total daily output of these machines will be approximately 90,000 bottles. This output is in addition to that of local factories. Each machine is being sent up complete with cylinders and bottles for one month's consumption, and a reserve of three months has been arranged for. Mineral waters are issued to all officers and men in hospital.

### DRAWBACK ON MEDICINAL SPIRITS.

The following is Section 11 of the Finance Act, 1919, dealing with the allowance of duty on medicinal spirits:

*Spirits used in medical preparations or for scientific purposes. 8 & 9 Geo. 5, c. 15.*

Section four of the Finance Act, 1918 (which provides for the reduction and allowance of duty in respect of spirits used in medical preparations or for scientific purposes), shall apply to the duties on spirits imposed by this Act as it applies to duties on spirits imposed by that Act as though it were herein set out and expressly made applicable thereto, with the substitution for the sums specified in that section as the amount of reduction of duty or repayment of duty of such sums as will reduce the amount of duty payable under this Act to the amount of duty which was payable immediately before the increase of duties on spirits provided for by the Finance Act, 1918.

### SUGAR IMPORTS.

The President of the Board of Trade on July 28 stated that the total quantity of sugar and glucose registered as imported into the United Kingdom during the year 1918 was as follows:

|                             | Cwt.       |
|-----------------------------|------------|
| Refined ... ..              | 431,027    |
| Unrefined                   |            |
| Beet ... ..                 | 153,836    |
| Cane and other sorts ... .. | 25,528,146 |
| Total of sugar... ..        | 26,113,009 |
| Glucose:                    |            |
| Solid ... ..                | 208,038    |
| Liquid ... ..               | 169,583    |

It is not possible from the information at present available to say how much of the refined sugar imported was

derived from beetroots and how much from sugar-cane, or other sources. The "other sorts" of unrefined sugar consist mainly of maple-sugar. Invert-sugar is recorded as glucose.

### BRITISH DYESTUFFS CORPORATION.

Sir Philip Magnus, on August 6 in the House of Commons, asked the President of the Board of Trade whether the 850,000*l.* of 7 per cent. preference shares and 850,000*l.* of 8 per cent. preferred ordinary shares in the British Dyestuffs Corporation subscribed by his Majesty's Government represent new money, or whether they have been allocated in consideration of the 1,142,000*l.* loaned by the Government at 4 per cent. to British Dyes, Ltd., one of the amalgamated companies.

Sir Auckland Geddes replied: His Majesty's Government were under obligation to advance to British Dyes, Ltd., on certain conditions, a maximum sum of 1,700,000*l.* secured by debenture bearing interest at 4 per cent. per annum. The amount advanced under that obligation has been repaid and his Majesty's Government has subscribed instead for 850,000*l.* 7 per cent. preference shares and 850,000*l.* preferred ordinary shares in British Dyestuffs Corporation, Ltd., which has been formed to amalgamate the undertakings of British Dyes, Ltd., and Levinstein, Ltd.

### THE DUTY ON SPIRIT.

On August 6, in the House of Commons, Sir F. Hall asked the President of the Board of Trade whether he is aware that the present duty on spirit adds so heavily to the cost of certain manufactured articles, especially those in which it forms the basis of the manufacture, as to render it impossible for British manufacturers to compete with Germany, having regard to the relatively low cost of spirit in that country; and whether he will consider the advisability of modifying the duty in such cases and to that extent enable the British home trade to compete with German imports.

Mr. Stanley Baldwin (Financial Secretary to the Treasury) replied: Methylated spirit, which is free of duty when made in this country, is allowed in the manufacture of a large number of articles in which the use of spirit is required by British manufacturers. In addition, pure spirit is, under certain conditions, allowed to be used by them free of duty in arts or manufactures under the provisions of Section 8 of the Finance Act, 1902. "As at present advised, I do not think that any alteration of the law is called for, but if the hon. member has any particular manufacture in mind and will put the case before me I will consider it. Where imported articles contain spirit they are, of course, charged on importation with the full spirit duty."

### IMPORT RESTRICTIONS.

Mr. Archdale, on July 31, asked the President of the Board of Trade whether, in view of the fact that the present authorised proportion of 50 per cent. of the 1913 importation of glass bottles is now entirely inadequate in consequence of the inability of British manufacturers to supply the quantity required through shortage of coal and other reasons, it is now feasible to withdraw all restrictions in the importation of foreign bottles and thus prevent serious loss of business to many traders whose main business is in bottled goods.

Mr. Bridgeman replied: This matter is now under consideration.

Mr. Cautley, on the same date, asked the President of the Board of Trade whether a Committee representing the chemical industry has been appointed to advise the Board of Trade on the question of prohibition of the importation of chemicals; when such Committee was appointed, and by whom; will he give the names of the members of this Committee; and whether the Proclamation issued on June 25 prohibiting the importation of chemicals of all kinds was issued under the Defence of the Realm Act.

Mr. Bridgeman replied: The Committee was appointed by the Board of Trade to advise the Department of Import Restrictions as to the issue of licences for the importation of chemicals, and held its first meeting on



July 7. In addition to official representatives of the Board of Trade and the Ministry of Health, the following are members of the Committee: Mr. T. D. Morson and Mr. R. H. Bewick, of the Association of British Chemical Manufacturers; Mr. W. F. Reid, of the Society of Chemical Industry; Mr. E. White, of the Pharmaceutical Society; Mr. T. E. Lescher, of the Drug Club; and Mr. W. Mann, of the British Chemical Trades Association. The Proclamation, like other Prohibition of Import Proclamations, was issued under Section 43 of the Customs Consolidation Act.

#### RESTRICTION OF IMPORTS.

Lord Parmoor, in the House of Lords on August 6, asked the Government under what authority the executive had placed an embargo on the importation of goods and commodities other than arms, ammunition, and gunpowder. He said that in the "Board of Trade Gazette" there was a very wide range of goods or commodities which could not be imported into this country without a licence. In his opinion it was not right that the executive Government, by its own operations, should be able to discriminate and give licences to some traders and refuse them to others, because that power was undoubtedly capable of corruptive use. The system tended to keep up prices, which was one of the most fertile causes of industrial unrest. Lord Emmott asserted that protection by prohibition, subject to licence, was the very worst form of protection that could possibly be devised in time of peace. Lord Somerleyton replied that the restrictions on the importation of goods were imposed by Royal proclamation, the Act under which the proclamations were drafted being the Customs Consolidation Act, 1876. The Law Officers of the Crown had advised the Government that the words "any other goods" in that Act ought not to be treated as *ejusdem generis* as "arms, ammunition, and gunpowder," and that the present restrictions on imports were within the law.

#### MUNITION CHEMISTS' SALARIES.

Mr. Sitch, on August 5, asked the Parliamentary Secretary to the Ministry of Munitions whether he is aware that a request was made to the Department to sanction an increase of salary to the chemists employed in his Majesty's factory, Oldbury; whether this request was refused; and, if so, will he state the reason.

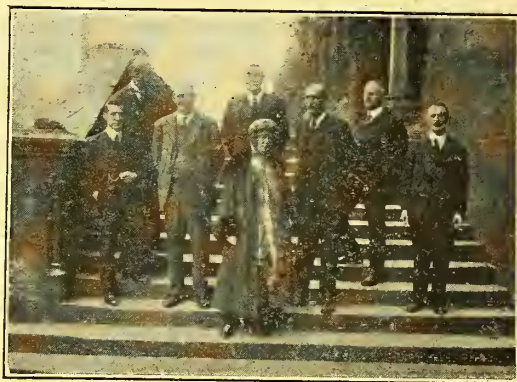
Mr. J. Hope replied: I am informed that the request was refused on the ground that the chemists employed at his Majesty's factory, Oldbury, were at least as well paid as chemists employed at other Government factories, and that it was impossible to consider the case of a single factory apart from the general question of the salaries paid to all chemists and other technical officers in the employment of the Government.

Mr. R. Young asked the Parliamentary Secretary to the Ministry of Munitions whether he is aware that among the chemists employed in explosive factories who signed the memorial praying for a revision of salary there were at least 100 Associates and Fellows of the Institute of Chemistry; whether the work done by these chemists in developing and maintaining the output of some of the most indispensable munitions of war has been recognised; whether he is aware that the memorialists were informed that the question of principle raised in the memorial could not be admitted by the Ministry, that the salary of the chemists could not be compared with the earnings of tradesmen, and that the Ministry objected to meetings being held by any section of the staff of factories under their control to pass Resolutions asking for a revision of salaries and appointing deputations to wait upon the superintendent in respect thereof; whether this statement was made with his sanction; and, if so, will he state the reason.

Mr. Hope replied: I see no reason to doubt the suggestion in the first part of the question. I fully recognise the admirable work done by chemists in developing and maintaining the output of munitions. The statement mentioned in the third and fourth parts of the question was made by an officer of the Department, but must not be taken to express the considered view of the Ministry.

## Woolley's Picnic.

The directors of James Woolley, Sons & Co., Ltd., wholesale chemists, Manchester, gave a picnic to their employees in celebration of the victorious peace, and to welcome home members of the staff who had been on active



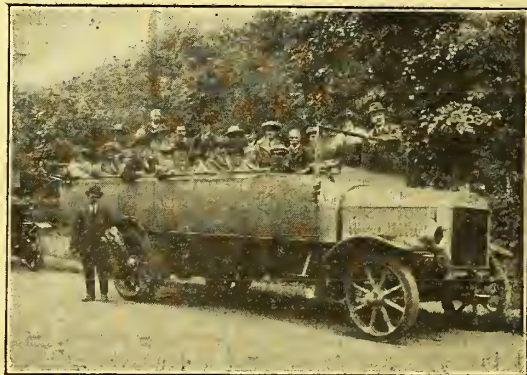
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#### GROUP OF THE DIRECTORS AND PARTY WHO ORGANISED THE PICNIC.

Left to right: (Front), Mr. W. H. Howard, Mr. E. J. Woolley and Mrs. Woolley, Mr. Hermann Woolley, Mr. Walter Jones; (back row) Mr. W. Lane, Mr. A. C. Vallance, Mr. J. H. Franklin.

service. Favoured with fine weather, a party numbering nearly 450 set out in nineteen motor chars-à-bancs for Chester, passing through Altrincham, Northwich, and rural Cheshire, and arrived at the destination before noon. After a substantial luncheon, provided at the Holborn Restaurant, the party was conveyed in motor-launches down the Dee to Eccleston Ferry. The company then walked through the grounds of Eaton Hall to the Wrexham Road, where the motors were waiting to convey the party to Hawarden Castle. Chester was reached in time



Photo]

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#### ONE OF THE NINETEEN MOTORS

which formed a long procession when leaving Chester for home.

for tea, at the conclusion of which Mr. Hermann Woolley, on behalf of the directors, welcomed the 133 of their employees who had come back from active service, and expressed a note of sympathy for those who had laid down their lives. He also thanked the organisers of the picnic, Mrs. James Woolley, Messrs. W. H. Howard, W. Jones, and other helpers, to whom the successful day's outing was due. The party then proceeded to the Square, opposite the Chester Town Hall, where the motors were waiting for the journey back to Manchester.



## Sidelights on the By-law.

SOME light is thrown on the Pharmaceutical Council's methods of forcing through the by-law which is to admit apothecaries' assistants to the Register of Chemists and Druggists, without examination, by various accounts that have reached us.

Several local Associations sent out "whips" to their members to vote in favour of the confirmation of the by-law, one of the most notable being that of the Western Pharmacists' Association, which can always be depended upon to back up the Pharmaceutical Council. The circular "most earnestly" urged attendance at the Central Hall.

### MR. SKINNER'S APPEAL.

"The Script" for August appealed, even at the eleventh hour, for agreement by understanding on the question of the apothecaries' assistants' by-law. There is an account also of the Council meeting of July 21 which was not reported. The meeting, it appears, was preceded by an early morning private conference of the "cabinet," at which the tactics of the Council meeting were agreed upon. It is needless to say that the four stalwarts were not invited to the secret meeting. The following is the conclusion of the "Script" article:

We wish to point out to our readers that the question now is not the by-law, but the future of the Pharmaceutical Society. The introduction of party political methods of dishing an opponent is the penalty we must pay for appointing a politician to the secretaryship of a professional and statutory body like the Pharmaceutical Society. We wish to say that, whatever the verdict of the referendum is—so unfortunately mixed up with wholesale resignations—we shall stand by it. Pharmacy, to us, is greater than any individual, and since we have given ourselves to the craft we shall not fail. To throw our charter into the fire unless you can yet your own way is no more the right of the majority than that of the minority. Our politician has confused national government with government by charter. It is a pity, and pity it is that it is true.

The same number contains a spirited open letter to Sir William Glyn-Jones by Mr. Herbert Skinner, which is characterised by a moderation hardly to have been suspected after the treatment this Councillor has received from the Secretary. Mr. John Humphrey, under the heading, "A Tragi-Comedy in Pharmacy," also deals with the by-law, and makes the point that "seventeen members of the Council of the Pharmaceutical Council, including the President, are content to risk the worst that can happen to British pharmacy in order that the Secretary of the Society may score a laugh against a few honest enthusiasts whose main desire is to secure the best possible results by straight methods rather than crooked ones."

### MR. WOLFF'S VERSION.

In "Square Topics" Mr. Hugo Wolff deals rather fully with the Council meeting of July 21, the principal item of which was the by-law, the effect of which, as Mr. Wolff rather concisely puts it, "will be that men who have never seen the inside of a chemist's shop will be registered as chemists and druggists without examination and enabled to open shops, probably in opposition to you or me." On the proposition to form a By-law Committee, the following took place:

1. Mr. Wolff wanted to know why the Committee was packed with those members of Council who are in favour of diluting our qualification.

No reply was given.

2. Mr. Wolff asked that a copy of counsel's opinion should be available for anyone to see.

No reply was given.

3. Mr. Campkin rose and made a strong protest against the attempt to foist the unjust by-law on the craft.

4. Mr. Skinner made a strong protest.

5. Mr. Wolff reminded the President that he was waiting for a reply to his first question, and Mr. Currie replied that the Committee was set up to carry out the wishes of the majority of the Council.

It is interesting to note that it is the wishes of the majority of the Council that is to be carried out: not the wishes of the majority of the members of the Society.

6. Mr. Skinner demanded to see the protest, which, it was alleged, had been sent by those members of the Society who could not gain admission to the Memorial Hall on July 2.

7. Mr. Wolff then asked for a reply to his second question, and was informed by the President that copies of counsel's opinion would be available, and, if the demand warranted it, it would be published.

8. The protest alluded to in No. 6 was produced, and it was interesting to note that almost every member who signed the protest was well known to be against the by-law, and was only apprehensive in case he should not be able to get in to vote against it.

9. Mr. Wolff moved that the protest list be circulated.

10. The President moved that the protest list be not circulated.

11. Mr. Wolff pointed out that this was a direct negative.

12. Mr. Currie replied that it did not matter.

13. Mr. Wolff asked the President whether this was a new ruling of his that, whereas ordinary members of the Council must not move a direct negative, the same did not apply to the President.

14. The President withdrew his motion, and a vote was taken on Mr. Wolff's motion that the list of those who protested be circulated. It was defeated by 11 votes to 4, those not voting being Miss Buchanan and Mr. Cuff.

15. The question arose as to whether an up-to-date list of members of the Society should be supplied to the By-Law Protest Committee, and after some discussion this was agreed to.

16. The President announced that he had decided to call a meeting of the responsible officers of all the Associations for Friday, July 25, at 2.30 p.m., to listen to further "reasoned" statements as to why the by-law should be approved. Incidentally, it was mentioned that the railway fares of all delegates would be paid.

17. Mr. Rowsell moved, and Mr. Sargeant seconded, that the letter of invitation be circulated. [The letter had already been circulated four days prior to this.]

18. Mr. Wolff moved that this meeting, which savoured largely of the tactics of "Pussyfoot," should be open to all members of the Society who cared to attend. This was defeated by 13 votes to the usual 4.

19. Mr. Skinner asked if a vote would be taken at that meeting, and, on his pressing the question, the President replied: "I will do as I jolly well like."

The interesting fact is mentioned that, at the private meeting of the officials of local Associations on July 25, slips of paper were passed round for signature, to be afterwards affixed to a document which those who signed had not seen. A good many had left the meeting before this stage was reached.

### A SCOTTISH VIEW.

A Scottish correspondent sends us the following criticism of the famous referendum circular sent out by the President, who is a Scotsman:

Perhaps, contrary to expectation, the decision of the "Seventeen" has not created chaos in the ranks, and the general view held by members and non-members alike is that to use the by-law as a cloak for the "divided Council" is rather a tame subterfuge. In asking for a vote of confidence, a vote by post of the members could easily have been taken, apart altogether from the question of the by-law; but, thanks to the By-Law Protest Committee's labours and the clear exposition of the issue at stake, there is little likelihood of chemists being hoodwinked into a recorded (if not legal) voting for the by-law. Methinks the hand of the President has been guided by that of a "legal gentleman" in the penning of his phrases, but there is an old saying, "We can see as far through a stone as a mason." It is stated that examinations are reported on by a Government visitor to the Privy Council; but has the Council shown the same zeal in carrying out his recommendations? Even if the crisis had to go before Parliament, are there no M.P.'s to speak up for us? The advantages of the 1908 Act are stated, but what of the disadvantages? The question of principle is very glibly disposed of by reverting to the cloak of the 1908 Act. The bold seventeen evidently wink at this, but, "ma conscience," they are so virtuous regarding the "question of principle which at present is at stake." On the "question of finality," the phraseology is worthy of a lawyer, but to the thinking mind it is unconvincing. The alternative is a rather drastic hypothesis. A judge does not adjudicate until he has heard both sides of a case. The disadvantage of public discussion are referred to, but what hinders a meeting between the "Ayes" and the "No's"? If such had been held long ago the present *impasse* probably never would have occurred. The sanctioning of a by-law without the members knowing of the methods of application and institutions to be prescribed appears to be a blind policy. The fact that Mr. Campkin has supported Messrs. Hines, Skinner and Wolff shows that the minority is increasing in power. The threatened resigna-



tions are a subtle menace and an attempt to "rush the by-law." The time allowed for the return of voting cards is unfairly short and apparently well thought out, so as to give the opposition no chance of replying. The Secretary is supposed to carry out his duties as Secretary irrespective of opposing factions. Is it in keeping that he should associate himself with either party? Is it fair to returned soldier and sailor students to compel them to pass an examination while others are to be allowed to enter the Register for fourteen guineas?

### Local Associations Executive Election.

Messrs. W. Bowden (President) and W. H. Fowler (Secretary) have been nominated by the County of Surrey Association of Pharmacists as Association candidates, and Mr. E. T. Neathercoat is the adopted candidate of the Pharmaceutical Committee as panel representative.

Mr. G. R. Williamson (Hon. Secretary of the Coventry Pharmacists' Association) wishes to add his appeal to that of Mr. Hutton (President of the Warwickshire Pharmaceutical Association) (*C. & D.*, August 2, p. 51) for the votes of electors in the West Group on behalf of Mr. Charles Davis, Warwick.

Mr. Thomas England was nominated by the Essex County Association of Pharmacists, which is now soliciting the support of pharmacists in the Central Division on his behalf. Mr. England is described as an independent candidate, a staunch supporter of the Society, yet a fearless critic, ready to take up whatever work is necessary for the protection or advancement of pharmacy.

Messrs. Clement W. Ridyard, J. A. Pegg, and R. E. Young are seeking election to represent the Central Federation (No. 6 Area), Mr. Ridyard as panel representative, and the other gentlemen as Association representatives. These candidates were nominated by the officers and councils of the County and County Borough Associations of Derbyshire, Derby Borough, Nottinghamshire and Nottingham, Leicestershire and Leicester, who are appealing to electors to give their support to these nominees.

Mr. S. T. Milbank, Ph.C., Bishop's Stortford, is the nominee of the Hertfordshire Pharmacists' Association, and is a candidate for the Central Division. The Hertfordshire Committee points out that Mr. Milbank has been Chairman of the Pharmaceutical Committee since 1913, and there are several privileges, current in the county, which are due to his forethought and diplomacy. He can give the necessary time and attention to all meetings, and is out for a fair day's wage for a fair day's work.

The Devon Pharmaceutical Association has nominated its President, Mr. P. F. Rowsell, J.P. (Vice-President of the Pharmaceutical Society), as Association candidate for Area No. 3. Mr. Rowsell has been from the commencement a member of the L.A.E., whilst it is claimed that his association with Dr. Addison during the past two years in connection with the newly established Ministry of Health and his special knowledge of such matters fit him eminently for helping forward the interests of pharmacists. Moreover, Mr. Rowsell is put forward as probably the most progressive pharmacist in the country. The Devon Pharmaceutical Committee has nominated Mr. T. F. March (Vice-Chairman) as panel candidate. Mr. March is said to have an intimate knowledge of matters coming within the scope of the L.A.E., and votes are solicited for both these candidates.

Mr. J. H. Nidd is one of the official candidates of the Lancashire and North-Western Federation (*C. & D.*, August 2, p. 50), and an appeal is now made, on behalf of the Manchester Pharmaceutical Association and Committee, for the support of Mr. Nidd by voters in the N.W. district No. 5 (comprising Lancashire, Cheshire, Cumberland, and Westmoreland). Mr. Nidd is stated to have done valuable work as Vice-Chairman of the Manchester Pharmaceutical Committee and as pharmaceutical representative on the Insurance Committee, as well as in other directions. Mr. J. H. Grayson and Mr. T. W. Townley (President and Secretary of the Cumberland and Westmoreland Chemists' Association) solicit on behalf of

the Association the support of voters in the North-Western District for Mr. Nidd and the other official candidates of the Federation of Lancashire Pharmaceutical Associations (Messrs. Thomas Hardy, Maryport, and J. W. Deakin, Cheshire).

## Organising the Drug-trade.

### Drug Union Meetings.

THE NEWLY FORMED Bradford branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers met recently, under the presidency of Mr. G. H. Etchells, and decided to hold regular meetings on the third Monday of every month, to commence at 8.15 p.m. At first the branch was inclined to oppose the Pharmaceutical Society's new by-law, but on subsequent information the action of the Pharmaceutical Council was supported.

A meeting of the Amalgamated Society of Pharmacists, Drug and Chemical Workers was held on August 1 in Robert Gordon's College, Aberdeen. The speaker was Mr. A. J. Gillian, and, after his address, it was unanimously decided to form a branch of the Union for Aberdeen and the North of Scotland. The following officers were elected: *President*, Mr. P. Fife; *Vice-President*, Mr. E. G. Bryant; *Secretary*, Miss K. G. McConnachie; *Treasurer*, Mr. John Simpson; *Auditors*, Messrs. H. Berry and A. J. Ironside.

### "The Script" Sports Club.

Six metropolitan associations were represented in the bowling competition for the "Singles" Championship, which was played off in three rounds.

#### First Round.

On June 2 Mr. Winzer (South-Eastern) beat Mr. Kirkpatrick (West Ham) by 22 points to 3. On June 5 Mr. Keith (Eastern) beat Mr. Wells (North-Eastern) by 22 points to 10. (The Western and Northern Associations had byes in this round.)

#### Semi-Final.

On July 10 Mr. James (Western) met Mr. Winzer, and won by 21 points to 5. Mr. Rawlins (Northern) beat Mr. Keith (Eastern) by 21 points to 15.

#### Final.

On July 23 Mr. Rawlins (Northern) met Mr. James (Western). After a fine contest Mr. James ran out winner of the match and of the championship with a margin of one point—21 points to 20.

TOOTH-BRUSHES are in unprecedented demand in East Lancashire, the explanation suggested being the habits of oral cleanliness taught in the Forces.

EXPORTS TO POLAND.—The Board of Trade announce that the Supreme Economic Council in Paris has decided to withdraw the Relief Mission in September, and that in consequence the British Relief Administration will not now be remaining in Danzig for any length of time. In these circumstances it is advisable that traders should proceed without delay to make their own arrangements for the forwarding of goods to Poland, although for the time being they may continue to consign them to the Relief Administration. They are, however, no longer required to do so.

APPLE APHIDES.—A leaflet (No. 330), obtainable from the Board of Agriculture and Fisheries, 3 St. James's Square, London, S.W. 1, contains instructions as to the recognition and treatment of the various species of aphides that attack the apple. The recipe given for a nicotine wash is as follows: Nicotine (95-99 per cent.),  $\frac{3}{4}$  oz.; soft soap,  $\frac{1}{2}$  lb.; water, 10 gals. If the water is hard 1 lb. of soap should be used. The following is the recipe for a pyridine wash: Pyridine, 4 oz.; soft soap,  $\frac{1}{2}$  lb.; water, 10 gals. The leaflet, for which no charge is made, is worth the attention of fruit-growers.



## Birth.

HALES.—At 21 Tacket Street, Ipswich, on July 25, the wife of G. W. Hales, chemist and druggist, of a son.

## Marriage.

WALKER—MILLAR.—At Union U.F. Church, College Street, Edinburgh, on August 1, by the Rev. James Marshall, John, eldest son of Mr. Alexander Walker, pharmacist, Jedburgh, to Charlotte Bryden, youngest daughter of the late Mr. Thomas Millar, 17 Barony Street, Edinburgh.

## Deaths.

BROOKS.—At 2 The Croft, Stanley Gardens, Belsize Grove, London, N.W. 3, on August 1, after a brief illness,



MR. CHARLES BROOKS.

Mr. Charles Brooks, chemist and druggist, 4 Northumberland Avenue, W.C. 2, aged forty-nine. Mr. Brooks, who was a native of Plymouth, received his first training in pharmacy in the West Country. After qualifying (in 1895) and gaining further experience in Paris and at Biarritz, he returned to London and opened in business in Northumberland Avenue. Branches were established in Kingsway and in Cranbourn Street, W.C.; these, however, were subsequently disposed of. Mr.

Brooks's enterprise found a further outlet in the formation of the American Drug Supply Co. (which was first called the American Drug Stores Co.), an import and export business, quite separate from his pharmacy. Nor did this complete the list of his activities. He was an enthusiastic member of the City of Westminster Volunteers, and, although not passed (as he had hoped to be) for service abroad, rendered useful help at home during the war. (In the portrait he is shown in the uniform of a sergeant.) Mr. Brooks was widely known and deservedly popular in social gatherings of London pharmacists; he had been a member of the Western Pharmacists' Association for several years, and rarely missed any important function. He leaves a widow and a child, who have received many expressions of condolence. The funeral took place at Hampstead Cemetery on August 6.

FOULDS.—At sea, on July 10, Mr. Robert Foulds, late King's (Liverpool Regiment), younger son of Mr. Robert Foulds, chemist and druggist, 500 Prescott Road, Old Swan, Liverpool, aged twenty-two.

HARDMAN.—At St. Mary's Road, Glossop, on July 27, Mr. John Hardman, J.P., chemist and druggist and dentist, aged seventy-five. Mr. Hardman opened in business in Glossop upwards of fifty years ago. In addition to his professional and magisterial duties, he took office at various times as a churchwarden and a member of the Town Council. He was also known locally as a prominent Conservative and a Freemason.

WATKINSON.—In Derwentwater, on July 31, David Crossley Watkinson, son of Mr. Harold A. Watkinson, chemist and druggist, Farnworth, Lancs., aged sixteen.

BEE-STINGS AND ANÆSTHESIA.—Presiding at a lecture given recently at the Scientific Products Exhibition, Westminster, the ex-President of the Scottish Beekeepers' Association stated that the poison of the bee was an almost infallible test as to whether a patient was likely to succumb under an anæsthetic. If a person suffered from a certain form of nervous weakness a bee sting on the hand would cause a large swelling and affect the glands of the body. That person, he considered, should not be operated upon.

## Personalities.

MR. C. A. CRITCHLEY, Ph.C., has been elected to serve on the Blackburn War Pensions Committee.

MR. J. V. MAINPRIZE, chemist and druggist, has been appointed a representative Governor of the High School for Girls, Bridlington.

WOR. BRO. W. MASKEW, Ph.C. (proprietor of Quinney's, Hertford) was on July 29 invested by Lord Lambourne, Provincial Grand Master of Essex, with the office of Past Provincial Grand Organist. Bro. Maskew is also Sword Bearer in the adjoining Province of Herts. and was recently appointed organist of the new East Hertfordshire Lodge, No. 3748.

DR. SAMUEL SMILES, Assistant-Professor of Organic Chemistry at University College, London, and Honorary Secretary of the Chemical Society, has been appointed to the newly created chair of organic chemistry at Armstrong College, Newcastle. Dr. Smiles is known chiefly as the author of monographs on the organic compounds of sulphur and the relations between physical properties and chemical constitution.

MR. T. W. THEAKSTON, Ph.C., managing director of Prichard and Constance, Ltd., London (Captain, Royal Engineers; late commanding "Q" Special Company, R.E.), was mentioned in Sir Douglas Haig's recent despatch. This is Captain Theakston's third "mention." He was one of the original band of chemists who embarked for France in July 1915 and formed the nucleus of what became "the Special Brigade, R.E."

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "the Trade-marks Journal," June 25, 1919.)

- "VITMAR"; for food substances (42). By Callard, Stewart & Watt, Ltd., 74 Regent Street, London, W. 1. 389,337.
  - "CORAL NILDÉ," for nail-polishes (48); "LA GRANDE ARMÉE," for perfumery, etc. (48). By C. Davis, 51 Rue du Rocher, Paris. 389,772 (associated); 390,825.
  - "QUINODO"; for toilet articles (48). By V. Foster, 106 Duke Street, Barrow-in-Furness. 390,094.
  - "CUVIX"; for perfumery, etc. (48). By J. H. Cooper, 62 Westbourne Road, Huddersfield. 390,316.
  - "LUVESTAL"; for toilet articles (48). By F. Chaventré, 18 Ogle Street, London, W. 1. 390,515.
  - "DISPENSER" with device, including bottle ("Dispenser" disclaimed); for corks (50). By A. M. Edenborough, 1-2 Colonial Avenue, Minorities, London, E. 1. 390,399.
- Alteration of Registered Trade-mark.—Leave has been given to Southall Bros. & Barclay, Ltd., Birmingham, to alter Trade-mark 44,700 for "SOUTHALL'S IMPROVED SANITARY TOWEL" (11).

(From "The Trade-marks Journal," July 2, 1919.)

- "SPONDITE" and "SPONDONITE"; for chemicals (1). By British Cellulose and Chemical Manufacturing Co., Ltd., 8 Waterloo Place, London, S.W. 1. 388,760/1. (Associated.)
- Monogram "Nn" on circle for all goods (1). By J. Nicholson & Sons, Ltd., St. Ann's Chemical Works, Heaton Junction, Newcastle-on-Tyne, E. 390,180. (Associated.)
- "LIGNUMITE"; for all goods (1). By Craig & Rose, Ltd., 47 Bankside, London, S.E. 1. 391,004.
- "CONAK" on tub with picture of black boy with hands washed white; for soaps (2 and 47). By A. Cohen, 10 and 11 Jermyn Street, London, S.W. 1. 389,919. (Associated.)
- "DIADENT"; for medicinal chemicals (3). By E. Neville, 25 Hamilton Road, Ealing, W. 3. 386,680.
- "TIOAPOL BRAND SOAP"; for medicinal soap (3). By Società Industrie Chimiche Ittliolo, 24, Via Medina, Naples, Italy. 387,722. (Associated.)
- "TANLAC BRAND LAXATIVE TABLETS"; for medicines (3). By The Cooper Medicine Co., 301 East First Street, Dayton, Ohio, U.S.A. 388,688.
- "DECORACINE BRAND CORN SOLVENT"; for medicinal chemicals (3). By Solvene, Ltd., 48 Dover Street, London, W. 1. 389,609.



## Trade Notes.

**GLAXO FEEDERS.**—The revised prices for Glaxo feeders are 1s. 6d. retail, 13s. 6d. per dozen wholesale. The prices of Glaxo teats and valves are unaltered.

**CHOSAN** toilet preparations are advertised as pre war in prices and quality. The makers are the Chosan Co., Grove House, Kew Foot Road, Richmond, S.W.

**RADITIVE OINTMENT** made by Raditive, Ltd., 46 Queen's Road, Bristol, invite applications for trade terms. It is described as a radium ointment for skin disorders.

**CELLOPHANE** as a wrapping material is the idea brought forward in the advertisement of the Cellophane Co. (Leclercq & Charérat), 15 Cullum Street, London, E.C. 3.

**HOT-WATER BOTTLES.**—James Tompkins, Ltd., 386 City Road, London, E.C. 1, advertise rubber hot-water bottles in this issue. The prices in white and red rubber are given.

**"RAILOX."**—In addition to the prices given in the "Railox" advertisement in this issue, Milner's Chemical Co. of Liverpool inform us that the 7½d. size is marketed at 5s. 3d. per dozen.

**ESTES' BOXES.**—May, Roberts & Co., Ltd., 7, 9, 11 and 13 Clerkenwell Road, London, E.C. 1, announce that Estes' turned wood boxes are again obtainable. Stocks will soon be held as usual.

**SNOWLEEN.**—The White Band Manufacturing Co., Ltd., Croydon, make two special offers of Snowleen face-cream and shampoo in our advertising pages. One offer is worked out to produce 82 per cent. profit, and the other 80 per cent. The company offer to supply samples of these articles on application.

**THE NI-VERRE CHEMICAL CO.**, 5, 6 and 7 Ormeau Avenue, Belfast, make special offers of Wyona shampoo and Magnetum corn remover. It should be noted, however, that the corn remover needs a medicine stamp when sold in Great Britain, although the Medicine Stamp Act does not extend to Ireland.

**HOMŒOPATHIC REMEDIES.**—Leath & Ross, homœopathic chemists, 295 High Road, Brondesbury, London, N.W. 6, announce that in future they have decided to supply small orders carriage free when the orders amount to 5s. and upwards. The present prices of tinctures and pilules are given in the firm's advertisement in this issue.

**AMAMI TOILET GOODS.**—Prichard & Constance (Wholesale), Ltd., 469 Holloway Road, London, N. 7, ask in their advertisement this week for the return of Amami nail stones packed in tins which are difficult to open. It has not been easy to maintain the quality of the packages, but Messrs. Prichard & Constance are making every effort to supply their pre war standards of packing. The company are also advertising very favourable window-display terms, and provide high-class window-dressing material for chemists.

**DELPHINUS MANUFACTURING CO.**, 45 Edward Street, Brighton, are making a special offer of four of their products. These are an antiseptic shaving-block, of opaque appearance; a styptic pencil; a cloth-cleaner of the solid order, wrapped in tinfoil; and a tinfoiled nail-polish. The last-named is a well-scented crayon giving a rapid polish; and the cloth-cleaner, which is applied by a wet process, has the merit of removing stains from clothes with a minimum of labour. Particulars of the offer appear elsewhere in this issue.

**QUININE ETHYLCARBONATE.**—Since we referred recently to the quinine ethylcarbonate made by Thomas Morson & Son, Ltd., manufacturing chemists, Summerfield Chemical Works, Ponders End, we have had an opportunity of examining a sample and find that it is equal in every respect to the salt previously offered as equinine. It is sparingly soluble in water but readily soluble in alcohol, ether, and chloroform, whilst it is in the light fleecy form with which dispensers are familiar. Quinine ethylcarbonate is a tasteless quinine, but when dissolved in acidulated water the characteristic bitter taste of quinine develops. This is the first time, we believe, that quinine ethylcarbonate has been made in this country upon a commercial scale.

**ODOL AT THE PEACE CELEBRATIONS.**—Some of the girls employed by the Odol Chemical Works, Berkhamsted, took part in the local Peace celebrations. A group is



shown in the illustration. The girls wore white dresses and bonnets relieved by blue Odol labels and bottles.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- |                                       |   |
|---------------------------------------|---|
| 243/43. "Sanaped."                    | 243/38. Percarbonal, bleaching agent.               |
| 242/38. Bailey's Pulmoserum.          | 243/39. Euphorbia Compound.                         |
| 242/40. Adonite.                      | 241/64. Kroko Dylus.                                |
| 242/40. Raffinose.                    | 244/44. "Queen Mab" vapourising lamp: actual maker. |
| 242/40. Inosite.                      |   |
| 241/11. "Synol Celcite" Tooth-powder. |   |

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

- |  |   |
|--|---|
| Acriflavine, 228/18                    | Johnson's prepared wax, 208/65                |
| Agarlac tablets, 235/62                | Kaufmann's sulphur bitters, 232/9             |
| Alizarine red, 236/27                  | Langdale's ess. cinnamon, 228/55              |
| Alum, 227/73                           | "Lemos," 225/6                                |
| Ampoules, 229/6                        | Linsed cake, 222/32                           |
| Aniline dyes, 237/6                    | Liquorice juice (sticks), 225/54              |
| "Anturic" bath salts, 234/10           | "Liquozone," 228/56                           |
| "Ashes of Roses" perfume, 233/1        | Maize starch, 228/35                          |
| California fig syrup, 230/46           | Metallic capsules, 230/23                     |
| Camel-hair pencils, 228/70             | Mexican tea, 224/52                           |
| Cardboard boxes, 237/19                | "Milton," 200/50                              |
| "Chiron," 224/27                       | "Molevac," 168/48                             |
| Chloride of Lime, 228/7                | Moore's anti-distemper vaccine, 207/22        |
| Cinnamon, 234/56                       | Mother Seigel's syrup, 182/39                 |
| Cocaine hydrochloride, 229/38          | Murray's magnesia, 198/57                     |
| "Colchi-Sal," 228/70                   | Muriatic acid, 229/45                         |
| Complexion-powder leaves, 228/53       | "Mutax" dry-cleaning brush, 229/44            |
| Cowhage, 229/9                         | Naldire's worm powders, 221/46                |
| Crouch's microscopes, 226/73           | Nasal and throat sprays, 225/54               |
| "Cutex" preparations, 229/42           | Neurene, 192/5                                |
| D.D.D. lotion, 228/70                  | Neville's toilet preparations, 195/55         |
| Dyes (for willows), 230/30             | Nicholl's asthma cure, 200/29                 |
| Ear caps (for children) 221/48         | Nitric acid, 229/45                           |
| Edwards' Nrsinettes, 229/44            | "Pincoleum," 222/58                           |
| Efferescent sulphur tablets, 234/68    | River's perfumes, 224/28                      |
| "Eiffel Tower" lemonade powder, 235/19 | Plaster-spreading machinery, 202/49           |
| Feltoc's lime juice, 216/67            | "Pneumosan," 193/7 and 233/4                  |
| Fischer's bunion protector, 200/56     | Potash binosalate (Belgian inquiry), 237/6    |
| Ginger, 234/56                         | "Purifina," 208/46                            |
| "Granuline for the Eyes," 225/6        | Rios electric cordial, 238/9                  |
| "Hemisine," 224/17                     | Roberts' Poor Man's Friend, 228/55 and 228/70 |
| Herbs, medicinal (pkd), 228/24         | Rubber sponges, 225/24 and 238/1              |
| Himrod's asthma cure, 230/46           | Vaginal tubes (vulcanite), 228/70             |
| Hodgkinson's "Nuretones," 226/73       | Wilson's common-sense ear drum, 203/60        |
| Hooper's female pills, 228/70          | Winslow's soothing syrup, 230/45 and 202/23   |
| India-rubber nasal syringes, 228/70    | "Zol," 208/40                                 |
| "Itsit" foot saver, 233/4              |   |
| "Ivos" tooth paste, 223/67             |   |
| Jabez Wolfe's embrocation, 232/22      |   |



## Observations and Reflections.

By Xrayser II.

### Mr. William Kirkby Followed

an old precedent in illuminating his admirable address to the B.P.C. with passages of poetry, for this has been the habit on such occasions. As is natural in a scientist, he showed a partiality for Browning, but I doubt whether Browning, with all his thirst for knowledge, assimilated science as Wordsworth predicted that the poet of the future would do. He hardly "lends divine aid" to that transfiguration of science which the older poet foresaw; numerous as are his allusions to scientific facts, they are often rather chunks of knowledge floating in his verse than scientific truths fused into the substance of his poetry. His highest flights, even in "Paracelsus," rarely give us "the impassioned expression which is in the countenance of all science," though they do convey an impression of the ardency with which the scientist seeks truth. The reason, perhaps, is that he deals with it too directly, not after the manner in which Novalis says that "all science becomes poetry after it has been philosophy." In other words, he was more interested in the fact than in what it expresses: to use Blake's phrase, he saw "with," not "through," the eye; he was a splendid reporter rather than a true seer.

### Mr. Currie's Referendum Circular,

some of the fallacies and other objectionable features of which I referred to last week, is a carefully planned attack upon what it calls the "organised campaign of opposition" which it alleges to have been carried on by Messrs. Skinner, Hines, and Wolff, and in effect a condemnation of any attempt at organised opposition within the Council. To all readers of the Council's own reports of its proceedings it will be apparent that such opposition as the gentlemen named have attempted has not been organised in any proper sense. On occasion they have acted in concert, but as a rule independently of one another; the dramatic scenes of February 15 and March 4, for example, showed a lack of concert which caused some of their followers to deplore the want of that organisation of which they are now accused. And not only is the accusation unjust, but its terms—"mischievous in its origin, and unworthy in its methods"—are abusive. The origin of the opposition was, I suppose, the election of these men to the Council as progressives, pledged to a reform of procedure and policy, so that the first clause of this indictment is levelled at those members of the Society who returned them, to whose consideration I commend it; the second relates to the action of the men themselves. Who declares this to have been unworthy? Who but the President, whose own conduct in the chair at the Council meetings, his display of irritability, and general weakness we all remember and resent, and whose unfitness for his position was further shown by his behaviour at the meeting of July 2. Let us put the saddle on the right horse. If the Council has really suffered a loss of public confidence there is not only strong *prima facie* reason to suppose the majority that has swayed its policy to be more to blame for this than the minority of three, but abundant evidence that indeed it is so. The charge to the contrary is a lamentable confession of weakness on the part of the President and his supporters, which of itself condemns them.

### The Claim to be Exempt

from opposition implicitly made in this circular is a monstrous piece of folly and presumption. Individual members may presumably be permitted now and then to insinuate a doubt of the majority's wisdom, but that two or three of them should agree to oppose their own judgment to it cannot be allowed; it is "intolerable," it "gives rise to the question as to the fitness of the Council," and in such circumstances "the work of the Council cannot be efficiently conducted." Poor Council! How does Parliament get on, I wonder, with its opposition? Or the Government, or the London County Council, or, I might ask, any other public body

of which I ever heard, with its opposition? Our Council is clearly a more delicate organism than any of these, delicate even to invalidism, it would appear. Wrap it up, keep it from the cold, let no breath of criticism (much less of opposition) blow upon it! But, above all, let not its own members dare to differ by a hair's breadth from the will of its majority (at least, in concert), for that is treason, and makes membership of the Council impossible to "all self-respecting pharmacists"!

### The Circular

of the By-law Protest Committee, admirable as it was, omitted one fact that seems conclusive in regard to the Council's attempt to force the point of honour against us. It is too late now to affect the decision of the special general meeting, and I can only regret that a fault in the postal service prevented my noticing the omission before, but as a matter of at least academic interest, and possibly of some practical importance too, I call attention to the fact here. The Charter gave the Council power to make by-laws without referring them to the members of the Society; it was in the Act of 1852 that the proviso that "all such by-laws shall be confirmed and approved by a special general meeting" of the members of the Society was added. The inference is plain. Although the Society itself had no compunction in the matter, it was felt by the Legislature that, in spite of the Charter, the Council had no right to the power of binding the whole Society in this fashion, and if it has no right in equity how can it have the right, or the power, to bind us in honour?

### The Immediate Result

is while I write still uncertain, but, in spite of your grave warning of the evil that may follow the defeat of the President's party, I sincerely hope the decision has gone against him. This is not a question merely of "consent to injustice"; it is not our own rights only that we have been contending for, but the principle for which the Society exists, and to compromise upon which, much more to abandon it altogether, is treason indeed. And there is something more to be said: the issue now is changed; the Society is threatened with a schism that may rend it asunder; the fight is between the democratic and the bureaucratic ideals, and it has been precipitated by the upholders of the latter. The real revolutionaries in this case are the majority in the Council, whose *amour propre* (by them mis-called honour) is solely to blame. Whatever the decision arrived at may have been, we must deal with these "wreckers," and with their servant, Sir William Glyn-Jones, whose persistent attempts to "boss" the whole Society under cover of serving it cannot be tolerated.

### Lewis's Medical and Scientific Library

in Gower Street, of which a new catalogue was published recently, gives one a good idea of the extent and importance of this class of literature, comprising as it does on a rough estimate some 13,000 works, and extending, with the classified index of subjects and authors, to 492 pages. This classified index is of great value as a key to the literature of the subjects dealt with. Not only are the most important scientific publications of recent years found in it, but many also of a more general interest which relate incidentally to different departments of science. Under the head of "Travels and Voyages," for instance, there are nearly 200 items; there are forty-five works dealing with the history of medicine alone; forty-seven with pharmacy; over eighty with anthropology; about 100 with hygiene, not to mention allied subjects; and considerably over 100 with nursing. These are but hints at the wealth of the library, of which necessarily they give but an imperfect idea.

GERMANS SHORT OF DYES.—As a result of the prohibition placed by the Allies on the export of dyes from occupied to unoccupied Germany, many firms in the latter territory will be obliged to shut down. A request has therefore been made to the Allied Powers for permission to export the products on a large scale from the occupied regions to unoccupied Germany.



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## Editorial Articles.

### Industrial Co-operation.

I.

THE keynote of several of the very valuable papers read at the conference on dyes, synthetic drugs, and associated products, at the recent meeting of the Society of Chemical Industry (C. & D., July 26, p. 70), was a plea for co-operation and co-ordination by chemical manufacturers, in order to enable the growing British chemical industry to combat, and eventually vanquish, the impending German competition. Dr. Herbert Levinstein drew attention to the big German aniline dye trust, while Mr. E. V. Evans adduced some instances of selective protection to effect mass production in illustration of the organisation of the German chemical industry. The great octopus of the German chemical manufacturers which these speakers referred to is known as the Interessens Gemeinschaft. It was created in 1915, but the organisation was not due to war, it was the carrying out of plans for a gigantic combine which were well advanced in August 1914. The trust is familiarly known as the "I.G.," and its purpose is to control the output of the whole of the products of the German chemical works. The I.G. has the power to supply or withhold useful or essential commodities, or to charge British consumers higher prices than home manufacturers, and this trust is to be a powerful weapon in the struggle for ascendancy in the economic world which has now opened. If it had not been for the I.G. Germany could not have carried on the war for many months after the blockade of the Allies shut off her imports of sodium nitrate. It was the organisation of this trust that was able to develop quickly the manufacture of synthetic ammonia and nitric acid, and so enabled Germany to carry on the war for some years longer. The I.G. also arranged for the manufacture of poison gases for use in warfare, and it is important to remember that the same plant used for nefarious purposes has now been converted to peace production, and is to carry on commercial competition with the Allies. While acknowledging fully the importance of the dye industry, we are particularly interested in the manufacture of pharmaceutical products, no inconsiderable item of Germany's former exports, and the fact that these were largely manufactured by the leading aniline dye works is evidence of the interdependence between these two branches of chemistry. It may be safely asserted that in many instances the manufacture of chemical products formed a very profitable side-line, in illustration of which we can point to the fact that the price-list of one and the same firm quoted its trade-marked "Antipyrin," as well as "Phenyldimethylpyrazolon," at widely divergent prices. We are well acquainted with the considerable difference in price between the "original preparation" placed on the



market under a registered fancy name, and that at which it was offered when sold under its scientific chemical designation, of the host of synthetics emanating from Germany. One of the results which German chemical industry had attained, even before the organisation of the I.G., was the concentrating at one chemical works the manufacture of particular products so as to reap the advantage of mass-production. At the Höchst works of Meister, Lucius and Brüning, for example,  $\beta$ -naphthol was made, the plant having the capacity of eight tons a day. Von Heyden and Bayer made salicylic acid for the whole world, and Bayer produced all the aspirin which was used before the outbreak of war. In England there are about twenty manufacturers making between about ten tons per week of salicylic acid, when, as Mr. F. H. Carr pointed out, this amount could be conveniently made in one or two works under the supervision of two or three chemists in place of the twenty chemists or more that are now engaged in manufacture. Mr. Carr estimates that the world's requirement of phenacetin is probably less than ten tons a week, and this, also, could be made in two or three works. The home requirement is about 15 cwt. per week, so that manufacturers must secure a footing in the export trade in this substance if they are to carry on mass production successfully. It was mentioned, also, that the home requirement of phenazone per week is about 10 cwt. It is, of course, a question of the supply of the necessary intermediates, and here organisation such as is now exercised by the I.G. in Germany is employed. Mr. Carr states that what is needed is either that the present makers of a particular fine chemical shall combine their manufacture into one large plant, or that a group of manufacturers should be supplied with the crude chemical which, purified, could be sold under brand names. Mr. Lloyd Howard makes the additional suggestion that the old fine chemical firms should buy new products from the producing company, and utilise their old-established selling organisation for distributing the particular chemicals to the world. It should be added that the members of the I.G. pool their profits. We must not lose sight of the great propaganda value which is attached to pharmaceutical products, and which Germany utilised to the utmost. While dyes as such are handled only by a relatively small proportion of the community, every pharmacist, and through him a very considerable section of the people of a country, became familiar with one or the other German drug in its "original package"; we need only instance Bayer's aspirin tablets before the war. Not alone this, but we must also include the insidious effect produced on the medical men of all countries by the continued and subtle influence of the scientific literature which was so generously issued. Are foreign doctors acquainted to the same extent with British medical progress? The German intensive therapeutic propaganda created the impression of scientific advance and was a means of advertising Germany and things German. We are very much afraid that, as far as pharmaceutical products are in question, to the foreign doctor and public the word British is rather associated with packed proprietaries, and only remotely with therapeutic progress. The fact that Great Britain was regarded, on the whole, as an unremunerative field for the introduction of synthetic drugs by German manufacturers may, perhaps, be largely ascribed to the conservative therapeutic ideas of British medical men. Now is the time to secure this industry and its markets. We ought not to let friendly nations who come to us for pharmaceutical products be turned away and be reluctantly compelled to buy from Germany. We have no need to enlighten them regarding the value of these products; the demand is there and insistent. Let it be complied with, not only in synthetics, but in the whole range of medicinal agents. Above all, the intricacies of our weights and measures, and other peculiarities, must be smoothed away if we would facilitate their dealings with us. We have had complaints about quotations for Belgian buyers being given in British weights, when it should be the seller who should adapt himself to the buyer, so as to help in commercial transactions. The manufacturers who intend fostering foreign trade must appreciate the necessity of studying minutely the requirements of customers.

## The Alsace-Lorraine Problem.

THE restitution of Alsace-Lorraine to France has created a pharmaceutical problem of considerable complexity, and the numerous and varied questions which have arisen in consequence of this political act of reparative justice are being followed with very great interest, not only in Alsace-Lorraine, but to an even greater degree in France, as it is recognised there that the solution of this new problem will have a great bearing on the future status of pharmacy in the Republic. Indeed, this interest is by no means confined to the principal participants; other European countries are closely following the course of events, as it is acknowledged that pharmacy's future basis for many countries now hangs in the balance—viz., free exercise of the profession, or limitation of pharmacists. From information at the source we are able to place the position clearly before our readers. In 1871, when Alsace-Lorraine was ceded to Germany, the unrestricted exercise of the pharmaceutical profession existing in France was naturally also in force, and until 1877 the French laws regulating pharmacy were maintained and enforced by the German authorities, and the pharmacists of Alsace-Lorraine were placed on the same footing as German pharmacists. The fact that a qualified pharmacist could open a new business in Alsace-Lorraine drew a number of German pharmacists from other parts of the Empire, the result being that many new businesses were created. Acting on the representations made by the old-established pharmacists, the German authorities introduced the limitation of pharmacies in the ratio of one pharmacy for 7,000 persons, and in order to reduce the excess of pharmacies in certain towns permitted the transfer of such businesses, at the owner's request, to places where the existing pharmacies were not adequate to meet the demands of the inhabitants. All new pharmacies henceforth to be created were realisable concessions—i.e., the business could be sold by the holder of the concession, or by his heirs, this concession being granted on the usual system of selection among candidates according to the number of years which had elapsed since their qualification, and those who had owned a pharmacy being generally barred from competing. The natural result of this limitation of pharmacies was to increase enormously the goodwill, and consequently the value, of each business, thereby approaching the conditions existing in the rest of Germany. In 1903 the Government decreed that all new concessions should be strictly personal, and on the holder's death they should revert to the State, the new *concessionnaire* merely paying the actual value of the house and fixtures; at present there are only eleven personal concessions. Prior to the outbreak of the war various proposals were being discussed for buying up all the saleable pharmacies, by the State or by co-operative effort, in order to limit their market value in proportion to the net profit they yielded, or even to convert all businesses into strictly personal concessions. In 1914 Alsace-Lorraine, with a population of 1,874,014 (area of 5,605 square miles), possessed 260 pharmacies, with a pharmaceutical *personnel* of 412. Strassburg (population, 181,935) possesses 29 pharmacies, while Metz (population, 68,769) has 21, and Mulhouse (population, 95,214) 17. In 1912 a Pharmaceutical Chamber for Alsace-Lorraine was created consisting of elected representatives of owners, managers, and former owners of pharmacies in Alsace-Lorraine retired from business but not having embraced another profession, these forming one group; while all qualified assistants formed a second group. Each group, by districts, elected one representative for every twenty members, two years' residence in Alsace-Lorraine being required as a qualification for voting. The duties of this Chamber were to deal with all questions relating to pharmacy and the supply of remedies to the public, to safeguard the professional interests of pharmacists, and to advise the Government on all matters dealing with pharmacy. The Chamber also included a "court of honour," which was empowered to punish all offences against the pharmaceutical laws and regulations committed by pharmacists, to deal with cases of unprofessional conduct, and with quarrels between members of the profession. Now that



Alsace-Lorraine has been re-incorporated in France, the application of the French pharmaceutical laws is viewed with considerable perturbation. In the first place, the total value of the existing saleable pharmacies represents approximately a sum of two million pounds, of which more than one-half takes the form of mortgages. If the unrestricted exercise of pharmacy is re-introduced, it will mean an immediate loss of about 1,500,000*l.* to the existing owners and mortgage-holders. The German drug tariff applicable to all prescriptions, less 10 per cent. on sick-club prescriptions, which were evenly distributed among all pharmacies, provides higher charges than those made in France, where "cutting" is largely practised. Again, specialities were sold with an increase of at least 60 per cent. on the cost price, thus yielding a profit of 37.5, or even 40 per cent. and more, whereas in France the average profit scarcely exceeds 25 per cent. In both cases the adoption of French standards would entail a heavy loss in revenue. Prior to the war drugs were purchased cheaper in Germany, for equal quality, than in France; now the Alsace-Lorraine pharmacist will be compelled to buy in a dearer market, leaving a smaller margin of profit. French pharmacists are evincing considerable interest in the practical effects of the limitation of pharmacies as experienced by their newly restored brethren of Alsace-Lorraine, and it is significant that the Central Association of French pharmacists recently passed a resolution in favour of limiting the number of businesses in proportion to the population. In order to safeguard their interests, particularly in view of their special circumstances, Alsace-Lorraine pharmacists are agitating for the maintenance of the German regulations, including the old drug tariff. Another solution would be that the French Government should purchase the existing saleable pharmacies and thereby abolish all fictitious values, which would permit the immediate introduction of unrestricted exercise of pharmacy and consequently a uniform system throughout the whole of France, avoiding the necessity of a special *régime* in the restored provinces. It may be mentioned that in 1871 the French notaries in Alsace-Lorraine enjoyed privileges similar to those of the pharmacists to-day, and the German Government of the day expended 1,320,000*l.* in compensating the holders for the loss of their peculiar rights. If the French pharmaceutical laws are enforced in Alsace-Lorraine, this measure will practically close this market to the British manufacturers of special preparations, as only those compounded remedies which are included in an official Pharmacopœia may be imported, whereas the German Customs tariff merely imposed a charge of five marks per kilogram gross weight on "secret remedies." It may be mentioned in this connection that Article 53 of the Peace Treaty states: "Separate agreements shall be made between France and Germany dealing with the interests of the inhabitants of the territories referred to in Article 51 (Alsace-Lorraine), particularly as regards their civil rights, their business and the exercise of their professions." It is interesting to note that Strassburg possesses one of the oldest pharmacies in existence. This is the well-known "Stag Pharmacy" (Pharmacie du Cerf), which for over six hundred years has occupied the same site, at the corner of the Cathedral Square. Indeed, the existence of a pharmacy there is mentioned in a record of 1268, the name of the apothecary being Heinricus Philippi, who was succeeded by his son and grandson.

#### War Emergency Laws in Peace-time.

THERE was introduced into the House of Commons on August 1 a Bill "to continue temporarily certain emergency enactments and regulations, and to make provision with respect to the expiration of emergency enactments and instruments made thereunder." The main purpose is to continue many of the regulations made under the Defence of the Realm Act—a war emergency measure. There are three schedules to the Bill. The first schedule deals with certain modifications in Acts passed during the war, and the second schedule is divided into two parts, Part I. mentioning emergency enactments that

are to be continued until the expiration of twelve months from the termination of the present war, Part II. dealing similarly with enactments which apply in time of war. The third schedule extends a large number of regulations made under the Defence of the Realm Act. This schedule is divided into two parts, the regulations in Part I. being continued for twelve months after the termination of the war, and those in Part II. for six months. Among the regulations in Part I. is the notorious 40 B. dealing with the supply, preparation, and use of cocaine. In Part II. is regulation 8 A.A., which restricts the establishment of new retail businesses. The Bill is a bad instance of legislation by reference, and of the desire of the Government Departments to retain the exceptional powers granted during the war. The Bill has aroused considerable interest in the House of Commons. The following letter has been sent to Mr. Bonar Law, the leader of the House:

There was considerable feeling at the last General Election that the Defence of the Realm Act should be allowed to lapse as soon as possible. We regret, therefore, to see that under the terms of the War Emergency Laws Continuance Bill an attempt is being made to prolong many of the powers for another twelve months, and that a punishment up to two years' hard labour can be inflicted for a breach of any of the regulations. During the war the country submitted to interference with their liberty, their business, and their property, but now that the war is over is it not time that the people should regain their liberty and officials cease from troubling? The Bill requires very careful examination, and we therefore hope that you will not proceed with the second reading until the Autumn Session.

Chemists are interested in the Bill because of the proposed continuance of the cocaine and opium regulation, which, in view of the stringent conditions under the Pharmacy Act for the sale of poisons, is quite unnecessary.

#### A Question and a Reply.

AMONG the questions regarding the unjust by-law which were drawn up by the By-law Protest Committee (*C. & D.*, July 26, p. 71) was the following:

What by-law or reconstruction work of the Society is being held up by the Privy Council at the present moment?

The official reply of the Pharmaceutical Council which was sent to members on July 30 was:

It was not until these negotiations had taken place and the Privy Council had been informed that the Council would submit a by-law to the members that the recent by-laws dividing the examination and making special provision for pharmaceutical students who had served with the Colours were approved by the Privy Council and the regulations under those by-laws to carry into effect the alterations have yet to be sanctioned by the Privy Council.

A plain man unaccustomed to political chicanery would take this as implying that the regulations referred to were being held up by the Privy Council; but that this is not so is shown by the following extract from the "Pharmaceutical Journal," August 2:

THE DRAFT REGULATIONS FOR THE QUALIFYING EXAMINATION.—In fulfilment of the undertaking given by the President at the special general meeting on January 8, 1919, the draft regulations relative to the by-law, which, after adoption by the Council, are to be submitted for approval to the Privy Council are printed on p. 122. Members will thus have an opportunity to read and critically examine the draft, etc.

The italics used in the above quotations are ours.

BELGIAN PHARMACOPOEIA COMMISSION.—King Albert has signed a decree nominating, for a period of three years, the members of the Pharmacopœia Commission, which consists of Professor F. Ranwez *President*, W. Dulière (principal inspector of pharmacies) *Vice-President*, F. de Myttenacre (inspector of pharmacies) *Secretary*; the other members being Professor G. Bruylants, Professor A. Jorissen, and three medical representatives: Professor Dr. J. Heymans, Professor Dr. M. Ide, and Professor Dr. V. Jacques.



# Pharmaceutical Society of Great Britain.

## Council-meeting.

A MEETING of the Council was held on August 6 at 16 Bloomsbury Square, London, W.C., Mr. W. L. Currie (the President) in the chair. All the Councillors were present with the exception of Mr. E. T. Neathercoat.

The minutes of the meeting held on July 1, and of the special meetings held on July 21, were read. Mr. Skinner asserted that those of the latter meeting were inaccurate in so far that they stated that Mr. Hines had moved and that he had seconded that the Regulations (for the Qualifying examination) be referred back. He stated that the reverse was the case. The meeting having agreed that the minutes be corrected in the way indicated by Mr. Skinner, these were unanimously confirmed.

### ELECTIONS AND RESTORATIONS.

On the proposition being made that 123 persons be elected members, Mr. Wolff stated that he had received a letter from a chemist asking whether he would be entitled to attend the postponed special general meeting of the members to be held that afternoon, notwithstanding the fact that he had not received the ticket necessary to admit him. The chemist referred to had joined the Society and remitted the amount of his annual subscription, but he (Mr. Wolff) had not observed his name in the list of new members now proposed. Mr. Wolff gave the name of his correspondent, and it was found that it did actually appear in the list. The number of persons mentioned were then elected. It was then formally agreed that 191 persons be elected student-associates, that two be restored to membership, and that 81 others be restored as student-associates on payment of the current year's subscription. The report of the Registrar stated that since the Council-meeting held on July 1, 293 persons had been registered as apprentices or students of the Society.

### REPORT OF EXAMINATIONS.

The report of the examinations in July showed the results to have been—England and Wales: Major—5 candidates, of whom 1 had passed and 4 had failed; Minor—230 candidates, of whom 100 had passed and 130 had failed. For Scotland the figures were: Major—candidates examined 1, failed 1; Minor—candidates 47, passed 35, failed 12. It was resolved to grant a diploma to Mr. D. R. Hughes, pharmaceutical chemist.

### REPORT ON HERBARIUM COMPETITION.

The report by Mr. E. M. Holmes on the Herbarium Competition, which was read by the Secretary, recommended the award of the silver medal to Mr. Frederick John Palmer, of Colchester. The report stated that although this collection does not contain the full number of plants allowed—viz., 150—those that are represented being only eighty in number belonging to thirty-four natural orders, they come within the lines laid down in the Calendar (p. 191), in that they have been carefully selected, and mounted so as to display the characteristic features of the more prominent and typical genera of the chief British natural orders. The name of each plant, its habitat, and the date of collection, are clearly stated on the paper on which each specimen is mounted. The plants with very few exceptions (five in all) are correctly named, and these errata are probably due to the use of a book which is rather a popular than a scientific flora—viz., John's "Flowers of the Field," in which the descriptions would naturally be briefer than in the more complete floras of Babington and Hooker, which are recommended in the Calendar. But the care that has been taken in the selection and mounting and naming the specimens can be highly commended. Indeed, in no collection that has hitherto come under my notice have the specimens been better dried and mounted.

Mr. Holmes also reported upon a second herbarium. The Council agreed that the silver medal be awarded Mr. Frederick John Palmer.

### REGULATIONS FOR THE QUALIFYING EXAMINATION.

With regard to these, the Secretary made the brief announcement that they had been dealt with by the Committee at a meeting held the previous evening.

### THE NEXT MEETING.

The PRESIDENT intimated that in accordance with previous custom the Council would not meet in September. A quorum would not be formed, unless the Council decided otherwise. Mr. WOLFF pointed out that there was a recommendation in the report of the "Journal" Committee that the Committee would meet on September 3. He asked whether the fact of no Council-meeting being held on that date would obviate the necessity of a meeting of the Committee being held. The Secretary replied that there was no reason why the Committee should not meet. It was then agreed that the next meeting of the Council should be held on the first Wednesday in October.

### SCHOOL OF PHARMACY PRIZE AWARDS.

The Dean (Mr. Henry G. Greenish) made a report on the School Prize Examinations held at the end of last session, in which he recommended the following awards:

*Botany*.—Bronze Medal: Kathleen Mary Hutchin. Certificate of Honour: Dóris M. Monro Iliggs and Cyril Parkinson.

*Chemistry*.—Bronze Medal: Alison Muriel Saunders. Certificate of Honour: Kathleen Mary Hutchin and Ellen Elisa Wirtz.

*Practical Chemistry*.—Bronze Medal: Reginald Howard Kemp. Certificate of Honour: Alison Muriel Saunders and Kathleen Mary Hutchin.

*Materia Medica*.—Bronze Medal: Kathleen Mary Hutchin. Certificate of Honour: Alison Muriel Saunders and Ellen Elisa Wirtz.

*Pharmacy*.—Mariindale Mem. Medal in Silver: Alison Muriel Saunders. Certificate of Honour: Kathleen Mary Hutchin and Kathleen Winifred Harrison.

*Charles James Hewlett Exhibition*.—Alison Muriel Saunders.

On the motion of the PRESIDENT seconded by the VICE-PRESIDENT, it was agreed that the awards recommended by the Dean should be made.

### INFRINGEMENT OF COPYRIGHT.

Mr. SKINNER asked if a letter had been received from the publishers of the "Drug Union News."

The SECRETARY stated that such a letter had been received and had been dealt with by the Committee concerned with the point raised. He would read the letter.

Mr. SKINNER stated that as the matter concerned him personally he would leave the room.

Mr. Skinner then left the Council-room.

The Secretary stated that a letter addressed to the President was in these terms:

My attention has been drawn to the publication in the "Pharmaceutical Journal" of August 2 of a copious extract taken from the above (the "Drug Union News") without permission. I shall be pleased to hear what steps you are prepared to take to rectify this.

The Secretary added that the letter had engaged the attention of the "Journal" Committee at their meeting the previous day, and that their recommendation was:

That the Editor insert a paragraph in the next issue explaining that the quotations were taken without express permission, but without any intention of infringing the copyright.

The Secretary also read a letter from Mr. Frederick Hawkins, Organising Secretary of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, stating that a circular had been issued by the Council containing 60 per cent. of the matter of a contributed article which appeared in the "Drug Union News," and that the matter had been so used without permission. The letter stated that the writer would be glad to have the Council's observations on the point. The Secretary stated that a letter in terms similar to those contained in the Committee's recommendation would be sent in reply. The incident then closed, and shortly afterwards Mr. Skinner resumed his seat at the Council table.

### CORRESPONDENCE.

The Secretary read a letter from the Stockport Pharmacists' Association, recommending that the Preliminary examination be made more "serious" than at present. This was referred to the School Committee.

Another communication, from the Birkenhead Pharmacists' Association, suggested that the Council should con-



sider the desirability of approaching all bodies having a Government Charter, with a view to joint action being taken for protecting and strengthening the rights and privileges of the various Chartered Societies, and to the formation of a coalition of professional interests. This letter was referred to the Law Committee.

A letter was also read from the Lancashire County Pharmacists' Association, stating that they sent a delegate to the by-law meeting at the Memorial Hall with a perfectly open mind. His report was that if there was any vote at the second meeting he would record his vote in favour of the Council's proposal. The Association, however, considered the Council at fault in not sending a representative to the country to give in private to members of Associations, the reasons which led the Council to recommend the adoption of the by-law.

Mr. PARRY inquired to whom the last letter had been addressed.

The SECRETARY: To the President and members of the Council.

Mr. PARRY: My own Association was unanimously in favour of the by-law, and wrote to that effect, but the letter was not read.

The SECRETARY: Then that and other letters have been sent up addressed to the Secretary.

Mr. PARRY: Should they not be brought before the Council?

The SECRETARY: If you like I will send for them.

Mr. PARRY: Remarks are made that only one Association supports the by-law, which is absurd, because practically all the principal Associations are supporting the by-law. That is the reason I ask why their letters were not brought before the Council.

The SECRETARY: My method of dealing with the correspondence is this. Letters addressed to the President and the Council I bring before the Council. Letters addressed to the Secretary I do not, but deal with them in the ordinary way, unless there is something in them which asks me to bring the matters to which they relate before the Council. Where am I to draw the line as to what letters I am to bring before the Council?

The VICE-PRESIDENT (Mr. Rowsell): That is a very important point, and I think it ought to go out very clearly to the country that anything that is desired by the Associations to come to the notice of the Council should be addressed to the President and the Council of the Society. That will prevent any difficulty in the future. It should be clearly understood that all communications intended for the Council shall come direct to the Council.

Mr. HAGON: My own Association also passed a resolution in favour of the by-law, but the letter sent has not been brought before the Council.

Mr. DEAKIN: When a letter is sent to the Secretary, is it not considered that it is to the Society itself and to the Council?

The SECRETARY: Since the special meeting I have not had time to collate a list of the resolutions which have been passed by both sides. I might have done that, but there has not been time since the special meeting in which to do it.

#### FINANCE COMMITTEE.

The monthly financial statement showed that receipts under the General Fund since the last meeting had amounted to 1,345*l.* 4*s.* 6*d.*, and included the following items: Penalties and costs, 80*l.* 16*s.* 2*d.*; "Journal" and publications, 23*l.* 5*s.* 1*d.*; registration fees, 554*l.* 8*s.*; rent, 46*l.* 5*s.*; ground rent, 96*l.* 5*s.*; subscriptions, 256*l.* 4*s.*; Local Associations Executive Committee, 288*l.* 1*s.* 3*d.*. With the balance of 4,832*l.* 15*s.* 10*d.* brought forward, the total amount to credit was 6,178*l.* 0*s.* 4*d.*, but from this had to be deducted payments ordered at last meeting, amounting to 4,105*l.* 2*s.* 6*d.*, leaving a balance of 2,072*l.* 17*s.* 10*d.* The other balances were: Benevolent Fund (donation account), 80*l.* 13*s.* 7*d.*; War Auxiliary Benevolent Fund, 2,050*l.* 8*s.* 2*d.*; and Orphan Fund, 178*l.* 4*s.* 11*d.*

The report of the Finance Committee stated that at the March meeting the Council resolved that the sum of 20*l.* should be granted for the purpose of providing the

necessary plant in the way of facilities for the staff lunch. The outlay involved had amounted to 34*l.* 11*s.* 1*d.*. It was recommended that, in view of the enhanced prices, the Treasurer be authorised to pay the larger amount. Payment of amounts under the General Fund aggregating 4,283*l.* 18*s.* 10*d.* was recommended. The adoption of the report was agreed to without comment.

#### FEDERATION OF PHARMACEUTICAL ASSOCIATIONS.

The report of the Local Associations Executive Committee contained the following draft constitution and rules of the Federation of Pharmaceutical Associations:

(a) That the Federation be known as the ..... Federation of County and County Borough Pharmaceutical Associations, and have for its object the linking together of Associations for:

(1) Securing suitable representation on the Local Associations Executive.

(2) Dealing with matters affecting pharmacists brought before the Federation by the constituent Associations.

(3) Dealing with matters referred to the Federation by the Local Associations Executive Committee.

(4) Arranging the simultaneous discussion by the constituent Associations of subjects of interest to pharmacists.

(5) Supporting the Executive in carrying out on behalf of pharmacists any national policy agreed upon by the Local Associations Conference.

(6) Promoting interest in, and creating when necessary, local Associations.

(7) Reporting upon, and suggesting improvements of, the local organisation.

(8) Electing representatives on behalf of the area covered by the Federation upon any body set up to cover the same area, and also through the constituent Associations for electing representatives upon any bodies set up for any area within Federation areas.

(b) That the Federation consist of delegates from Pharmaceutical Associations appointed in the proportion of one delegate to every fifty, or part of fifty, members of the respective Associations.

(c) That a levy of not less than 1*s.* per head per member of each County and County Borough Association respectively be made each year.

(d) That the management of the affairs of the Federation be in the hands of a Federation Executive Committee of eight members consisting of the President, two Vice-Presidents, the Treasurer, the Secretary, and such representatives of the group on the Local Associations Executive Committee as are not included among the officers of the Federation, and such other members of the Federation as may be necessary to make up the number to eight.

(e) That the Executive Committee of the Federation have full power to deal with questions of urgency which may arise, appoint Sub-Committees, and call such special meetings as they may consider necessary.

(f) That the President or one of the Vice-Presidents shall preside at all meetings of the Federation and of the Executive Committee. In the event of the President and Vice-Presidents being absent, the meeting shall elect its own Chairman, who in case of equality of votes shall have a second or casting vote.

(g) That the President, two Vice-Presidents, and the Treasurer be elected at the annual meeting to be held in October.

(h) That the Federation Secretary be appointed in October by the Local Associations Executive Committee from a list of candidates supplied by the Federation, each constituent Association having the right to nominate candidates.

(i) That the Federation Secretary be regarded as the local officer of Local Associations Executive Committee.

(j) That the Federation Secretary be paid 25*l.* per year by the Local Associations Executive Committee in return for the services he shall be expected to render in connection with the organisation work devolved upon him by the Local Associations Executive Committee.

(k) That where it has been found necessary to divide an area and have two Federations, one of the Secretaries of the two Federations shall take responsibility for the whole area, each being, however, responsible for his own portion of the area, and co-operating with the Secretary responsible for the time being for the whole area. The payment to these Secretaries to be made by the Local Associations Executive Committee to be 15*l.* each, with an additional 5*l.* for the one acting as Secretary for the time being for the whole area.

(l) That where the Federation is divided as indicated in the foregoing rules the President, the Vice-President, and Treasurer of each Federation shall in alternate years be regarded as the President, Vice-President, and Treasurer of the whole Federation. The Executive Committees of the



two Federations in such areas shall meet jointly at least once a year to transact business on behalf of the group, appoint officers, and for any other necessary purpose.

(m) That where the Federation is divided the funds of the two shall be proportionately liable according to the membership strength for any necessary expenses incurred by the Secretary acting on behalf of the whole area covered by the two Federations.

(n) That the place and date of meeting be left to the Federation Executive, but that at least two ordinary meetings shall be held during each year.

(o) That the President call a special meeting at the request of at least three Associations, or at the request of the Local Associations Executive Committee.

(p) That twenty-eight days' notice of ordinary meetings be given to the Secretary of each Association.

(q) That Associations send notices of motions to the Federation Secretary at least fourteen days before an ordinary meeting.

(r) That it be the duty of the Treasurer to collect subscriptions, to keep accounts of moneys received and expended, and to furnish a report and balance-sheet for the annual general meeting.

(s) That it be the duty of the Secretary to attend meetings, to keep proper minutes of the proceedings of each meeting in a book to be supplied by the Local Associations Executive Committee, and to send notices of meetings with agendas in reasonable time for the meeting next forthcoming, to supply copies of the notices of meetings, agendas, and a report of each meeting to the Local Associations Executive Committee. The minute-book to be available for the Local Associations Executive Committee if desired.

(t) That subscriptions (due on January 1 each year) be paid to the Treasurer prior to April 1, and shall not be withheld. That three months' notice shall be given prior to January 1 of the intention of any constituent Association to resign its membership of the Federation.

(u) That vacancies of officers occurring during the year be filled by the Federation Executive, such appointments to be approved at the next meeting, except in the case of the Secretary, who shall be appointed by the Local Associations Executive Committee from the names submitted at the time when the retiring Secretary was appointed.

(v) That a quorum at a meeting of the Federation Executive consist of four of its members.

(w) That a quorum at a general meeting be the representatives of at least four Associations, but that in reporting every meeting the Secretary shall indicate which Associations were represented, and shall also enter such statement on his minute-book.

(x) That an attendance-book shall be provided by the Secretary which shall be signed by members attending the meetings of the Federation or of the Federation Executive.

(y) That these rules be not altered, nor new rules made, except by consent of the Local Associations Executive Committee.

(z) That only Federations adopting the foregoing rules, or any modifications accepted by the Local Associations Executive Committee, be regarded as Federations officially included in the national organisation.

The Committee approved of the above scheme, and it is to be submitted to the Local Associations for consideration and report.

Mr. SKINNER asked that the scheme for the constitution of the Federation be published in full.

The SECRETARY replied in the affirmative and said that at the various Associations the scheme would be discussed. They would or would not adopt the proposed constitution, as they wished. The scheme was really put forward for the purpose of assisting them.

It was agreed that the scheme "be approved for submission to the Associations for their consideration and report"; and the report was adopted without further comment.

This was all the public business.

### The By-Law Meeting.

The postponed general meeting of the members of the Pharmaceutical Society of Great Britain to consider and, if thought proper, to approve and confirm the proposed by-law relating to the admission to the Register of apothecaries' assistants was held on the afternoon of August 6 at the Central Hall, Princes Street, Westminster, London, S.W. It was historical in the sense that it was probably the largest ever held in the history of pharmacy. Half an hour prior to the time fixed for the proceedings to commence (three o'clock) the body of the hall was

almost full. By the time the President and members of the Council appeared on the platform it was packed, and many were forced to find accommodation in the gallery. According to the best-informed estimate, the attendance could not have been less than 2,000, and many had travelled overnight from distant parts of the provinces. Before the meeting there was a good deal of fraternising between pharmacists who had not met for years, a good deal of handshaking, and a good deal of heated discussion of the *pros* and *cons* of the Council's recommendations, in which dialects were as varied as the opinions. A few ladies were present, but only one publicly expressed her views. During the adjournment for the counting of the votes she made her way to the reporters' table, climbed on to it, and from it on to the platform, where she conversed with Miss Buchanan, the only lady member of the Council. Then another pharmacist approached the platform, requested permission of the President to address the meeting and, on being refused, jumped up and started to orate. He spoke, but was not heard. Each member on entering the hall handed up his red admission card, receiving in return a white one, on which he was requested to write "Yes" or "No," as indicating his finding on the by-law. As the members of the Council, headed by the President (Mr. W. L. Currie), appeared on the platform they were loudly applauded. With them appeared Mr. J. Rutherford Hill, Secretary of the North British Branch, and Mr. Quarrell, the solicitor to the Society. Mr. Skinner was about half a minute behind his colleagues in making his appearance, Mr. Campkin following closely on his heels. They received quite an ovation from their admirers and supporters. The meeting commenced with smoking and ended with smoking, the President right through enjoying his favourite cigar.

The PRESIDENT (who had a cordial reception) called upon the Secretary to read the notice calling this meeting.

The SECRETARY, who was also received with a hearty round of applause, read the notice and also the proposed by-law.

The PRESIDENT: Ladies and Gentlemen, you have heard the by-law read out. I do not think it at all necessary for me, at this particular stage, to enlarge upon what it means. (Cheers.) That is a matter for you to decide. (Cheers and cries of "We will," and a voice, "You won't catch us this time.") It has already been discussed well and in full by persons, in the press, and in every other way, and therefore I do not think it will be any advantage to waste the time of this meeting by my putting forward any fresh views. But what I do want you to consider is this: that we have met upon a very momentous and decisive occasion. It means the whole future of pharmacy. I say that advisedly, and after very due and very serious consideration. I am not here to try to sway the meeting one way or another. (A voice, "You won't manage it.") You are quite capable of judging the position for yourselves, for I have attempted in the statement I have issued to every member of the Society to put the matter fairly and squarely before you. I hope you have all received it, but above everything that you have read it. I hope you have all seriously considered it. In these circumstances I would like at this particular stage to say that the referendum which I issued, and the returns which have come to hand, ought, I think, to be announced to this meeting. I dare say you would all like to know exactly how that referendum has gone. I shall therefore call upon Sir William Glyn-Jones, the Secretary, to give you the exact figures as they have come in.

The SECRETARY: There were issued 9,076 cards. The cards received by Friday morning were as follow: "Yes," 4,008; "No," 1,500. (Loud cheers and some booing.) Cards received since Friday: 286 for, 167 against. That makes the total received: "Yes," 4,294; "No," 1,667. The spoiled cards numbered 53, or a total return of 6,014. (Cheers.)

The PRESIDENT then moved the following resolution:

That the new by-law read a first time at the meeting of the Council on May 6, and confirmed on June 4 and July 1, be now approved and confirmed.

The VICE-PRESIDENT (Mr. Rowsell) seconded the resolution.



The PRESIDENT: Before anything else is done, I want to make one or two announcements. You have all received, upon entering this hall, a white card. I hope everyone has received that card. Very well. In that case I want you to sign that card and say "Yes" or "No" upon it later on.

The SECRETARY repeated what the President had said. Mr. E. WHITE (who occupied the front seat on the platform: I have not got a card. (Laughter, a voice, "You don't need one," and another, "You are a bag of tricks, you are," and renewed laughter.)

The SECRETARY: Everyone received a card who came in by the right doors.

The PRESIDENT: The meeting is now open for any remarks or discussion which may take place. I hope it won't be a long one.

A MEMBER: Has everyone received a referendum card? I did not receive one, and so I could not vote.

The PRESIDENT: You mean the postcard?

The MEMBER: I mean the referendum card.

The SECRETARY: The referendum card was posted to everyone on the Register, except to those who are abroad.

Miss GILLIATT: Did everyone receive a telegram to attend who could have attended? If not, why not? (Cheers.)

A MEMBER: Have special members received a telegram? (Voices, "What telegram is that you have been sending out?" and "Is this another piece of trickery?" and uproar.)

The SECRETARY: The telegram must be explained. (A voice, "Who paid for it?") Let me explain. (A voice, "Is the meeting a packed one?" and cries of "Order" and "Chair, Chair.") Upon the cards being received, the majority of the Council, seeing that the referendum, by a large majority, was in favour of the by-law being passed, thought that it was important that a vote taken to-day should correspond with the wishes of the members as expressed by the referendum. (Cries of "Oh, oh!" voices, "Shame," and "It's a disgrace to the Society," and uproar.) If you ask me for an explanation perhaps you will allow me to give it. ("Hear, hear"; cheers, and a voice, "You are trying to trick us again.") Whether you will agree with it or not, I cannot help it. You ask for an explanation and I am trying to give it. They therefore, at their own expense, without expense to the Society—(cheers, booing)—directed that cards should be sent to the country members who expressed their decision to vote "Yes," and telegrams, what you call "duplicate telegrams," to those within comparatively easy distance of the hall. All that the telegram has stated is that it is important that this meeting should reflect the vote as given by the referendum. That is the beginning and the end of the story. (Cheers.)

Mr. SENIOR: Is anyone outside of the Council—are any outside the Council—to pay anything towards any of that expense? (Cheers and cries of "Yes" and "No.")

The SECRETARY: So far as I know, no one outside the seventeen members of the Council who agreed to send the telegram will be asked to pay anything towards that expense. (Cheers.)

A MEMBER: Have they offered to do so?

The SECRETARY: No one else has offered to do so.

Mr. WOLFF: I should like to say no one else outside the seventeen members has offered to contribute anything towards the cost of the telegrams, because the four other members of the Council were not even told that the telegrams were being sent out. (Cheers and general disorder.)

Mr. WRIGHT: Is it usual to give away one's tactics to our opponents?

The PRESIDENT: No.

Mr. SCOTT: I understand that the explanation given by the Secretary is that these seventeen members of the Council in their private capacity sent the telegram. I therefore ask what right the Council has to give special information as to the return of the referendum when it was not given to the Society. (Cheers.)

The SECRETARY: My answer to that is that any member of the Council had a right to know, on asking, what the result of the referendum was—(cheers)—and so far as I know that information—so far as I personally know—has

been given to every member who asked for it. But may I be forgiven for making this observation that I notice that, at any rate if not for this meeting but for another meeting at which the question was considered, one thousand-odd invitations were sent, out of nine thousand. That thousand-odd members to whom that invitation was sent must have been selected out of the nine thousand. (Cheers and a voice, "That was not a special meeting.") Surely it is the duty of the governing body of the Society—for the time being—to see to it that the machinery which is set up by Act of Parliament for confirming the by-law shall be machinery which does not break down. And I ask you if at a meeting like this, with the result of that referendum public property—that meeting was unfairly representative of the people—(disorder)—I ask you to say that it was a proper thing to see that the statutory meeting should be a meeting which reflected what the members of the Society wanted. (A voice, "Shame," and cries of "Vote.")

The PRESIDENT: I do not think there is room for further discussion, and so I propose to put it to the vote. (Cries of "You're afraid of discussion" and general uproar.)

Mr. WOLFF at this point rose to address the meeting, but was unable to do so on account of the disturbance. One member sitting to his left in the body of the hall gesticulated wildly and shouted at the top of his voice that he had a question to ask. A slight lull then took place in the excitement.

A MEMBER: As a member of the Society I ask this question: Will you give the information here? Who is meeting the expenses of the propaganda work which has been carried on by the Council, by the majority of the Council; I do not mean the honest men. Propaganda work has been carried on throughout the whole country. Who is meeting the expenditure on that?

The SECRETARY: What is the question?

The MEMBER: We are used to these tricks and practices. I ask at whose expense have those meetings been held and the propaganda work carried on by the majority of the Council throughout the country in connection with this question?

The SECRETARY: Beyond the postcard and the telegram that I have already referred to, and which I have told you were being paid for by the seventeen members of the Council, any other work that has been done has been done by the Society at the expense of the Society. (Cries of "Shame!" and a voice: "Whether they like it or not?") It is the business of the Council—for the time being—to take such steps as it thinks necessary to bring its policy before the notice of its members, and not to leave outside bodies the sole right to propagate their views.

At this point the member who asked the question stood up and endeavoured to speak again, but was not successful. When order was restored, the President called upon Mr. Wolff.

Mr. WOLFF: We have listened for twenty-five minutes to others. Give me a few minutes. It is admitted that these telegrams were sent out to ensure that effect should be given to the referendum, therefore I claim that it is only fair that you should know our reply to that telegram. The By-law (Protest Committee needs no justification. (Cheers and hooting.) A storm of abuse has been levelled at the members in that alleged referendum—(Cries of "Oh!" cheers, booing, and general disorder.) I do not propose to follow that lead to-day. (Laughter and some uproar.)

The PRESIDENT appealed for order.

Mr. WOLFF: I may tell you frankly that interruptions don't affect me at all, so let's get on with the business. I am going to confine myself as briefly as I possibly can to this referendum, and I am going to start first of all by asking the majority of the Council if they will explain to me two paragraphs in this referendum. The first is the paragraph which deals with the disadvantages of public discussion. It says that it is not wise to discuss this matter, and over on the other leaf it says members of the Council—that is, the four who are pilloried—members of the Council have been told everything. Well, all I know as a member of the Council is what is in this document. Therefore, what is the part—(Uproar.)



Before you shout me down, let me finish. What is that which I do not know and they say cannot be told at a public meeting? This is a private meeting of the members of the Society. If there is anything else, let us hear it now. (Cheers and disturbance.)

The PRESIDENT: This is a public meeting.

Mr. WOLFF: Everybody here, with the exception of the Press and the Solicitor, is, I believe, a member of the Society. There are two points that exercise our minds more than anything else. The question is: Have we got to do this? (Cries of "No!" and a voice: "Not likely"; cheers; and interruption.) Have we got to do this, or is it permissive? That has been settled, and the seventeen members of the Council will admit it; that it is permissive. The next question is: Is there any finality about it? (Cries of "Yes!" "No!" and a voice: "There's no finality.") I claim on behalf of the members of the By-law Protest Committee that there is no finality in this at all. Under the 1868 Act men were put on the Register who had been in business before the Act was passed. In this case you are dealing with men whose qualification to be so registered took place after that Act of Parliament; that is, you are to admit men not qualified when the Act was passed—the most dangerous precedent that you have ever set up. (Cheers, booing, and a voice: "They must satisfy the Council they are qualified.") The Council are asked whether acceptance of this by-law will expunge from the Act of Parliament that obnoxious clause? Here is the official reply given to you to the question, "Would the acceptance of this by-law expunge this clause from the Statute Book?" "The by-law is a final compliance with this provision of the 1908 Act, which after 1920 would become inoperative." If it is thought out carefully, it will be found that in that Section there are three distinct obligations to register without examination—Colonial, military dispensers, apothecaries' assistants. (Cries of "No!")

The SECRETARY: It has been communicated to me that there are a number of people who are wanting to leave the meeting early for the purpose of catching trains. (Voice: "Is this another trick?" "What's your game now?" and "Let him speak.") I wish you would not suspect tricks when there are none. What I am going to announce is this: that you need not be disturbed at the length of the meeting, because, the question having been moved and seconded, if you are bound to leave the meeting before the end, you can leave your card marked "Yes" or "No" at the door. Is that fair? (Cries of "Yes" and voices: "We must ask for scrutineers" and "No more tricks," and some uproar.)

Mr. WOLFF: Don't overlook one important point that this by-law can only be carried by the votes of members present at the meeting, which means when the vote is taken. (Cries of "Vote," "We know that," cheers mingled with hooting, and general uproar.)

The PRESIDENT: May I not appeal for order? (Hear, hear.)

Mr. WOLFF: I ask you a simple question: How can this clause of an Act of Parliament be wiped out in 1920 when it has been fulfilled only in two out of three particulars? It says in that clause that the Society "may do all or any," and by that wording it has got to remain. I challenge any lawyer in this land to say that you can take out of the Act of Parliament a clause like that. (Cheers and booing, voices: "You would hoodwink any lawyer" and "It becomes inoperative," and some laughter.) Great stress has been laid on that. My friend says it becomes inoperative. They dig up statutes passed in the time of King Charles to prosecute people who open shop on Sundays. (A voice: "But they don't get convictions.") Great play has been made of this point, that the Society of Apothecaries does not agree with this by-law. I want to point out to you rather a "snag" that you are apt to overlook, and that is this: The Departmental Committee which was set up in 1913 to discuss remuneration under the Insurance Act, made this ominous statement—that the Pharmaceutical Society should wait until they had a request made to them from the Society of Apothecaries and the War Office to put the sub-section in force. I make this statement, which will probably be discussed later on:

That these negotiations have not taken place with the Apothecaries' Society, but with only a section, and that there is no finality. Why, sir, having carried out that recommendation, you are only beginning the trouble. The trouble will come later on. (Cheers and booing and cries of "Vote, vote.") I won't detain you more than two minutes longer. (Hear, hear, laughter, and a voice, "There's no time limit; go on.") I will quote the words of the Secretary of the Pharmaceutical Society: "As long as people here want to hear me talk, I will talk." (A voice: "Talk away then," laughter, and some uproar.) What is the trouble, seeing it is only 150 men, the trouble is the principle. (Cheers, booing, and a voice: "We can't help it.") You have got sitting on your flank, bursting to get into the Society, bursting to become members of it without passing the Minor, not only a host of Apothecaries' Hall men, but men, a big host of unqualified drug-store proprietors. These have formed a Society. They have got a Parliamentary Secretary, who is a member of Parliament. They have got a Bill ready to go into Parliament. I can produce documentary evidence to prove that, and you are willing to open the door with unanimous consent. Mr. Huntrods, the President of their Society, in his own "Gazette," issued four times a year to members, says that he wishes they could pay the same salary that we used to pay to our Parliamentary Secretary, who so well earned it. (Loud cheers.) They are waiting there, on our flank, to come in, and what I am so apprehensive about is that you are going to pay too big a price for peace. The Clerk of the Privy Council—it is all very well to camouflage and say that the Clerk of the Privy Council acts under the name of the Government. It is all very well to quote letters from the Privy Council telling us the terrible things that can happen. These letters were written during the war, when the great threat to everybody was military service. One more point only, please. It says here, in the official document issued by the Society, that if this by-law is not passed every member of the Council, with the exception of we four, will resign. (Cries of "No.") The threat is that all members of the Council except Messrs. Campkin, Hines, Skinner, and Wolff, are resigning if the by-law is not passed. Ladies and Gentlemen, that does not mean what it says. (A voice: "How do you know?" and shouts of "Vote, vote.") What that means is this: that if we can carry the day and pass the by-law those four men could resign. That is what it means. (Uproar.) I tell you this, gentlemen, that if the by-law is not passed we four are not going to resign. (Cheers and some uproar.)

The PRESIDENT: After what has been said, do you want to vote now? It seems to me that it is the mind of the meeting to take the vote. (Cries of "Yes," "No," and "Vote.") Those in favour of voting now? (The vast majority of the audience here held up their hand and a voice shouted, "There's a lady wishes to speak.") I will now put the vote. (Here Miss Gilliat stood on her chair and endeavoured to attract the attention of the President. There were loud cheers and cries of "Let her speak.") By an overwhelming majority this meeting has decided to take the vote. (Cries of "No" and a voice, "May we have the numbers called again.")

Miss GILLIAT: May I ask a question? The question I wish to ask arises out of a promise made publicly by the President of the Society. The President of the Society promised definitely the general meeting of the Society that the institutions to be recognised by this by-law should be made known to the members of the Society before the members voted on this by-law. (Cheers.) That promise was made to a member of the Public Pharmacists' Association, and a record of it was made in the two trade journals—"The Pharmaceutical Journal" and THE CHEMIST AND DRUGGIST. Now, men and women, as fair-minded people, I put it to you, where is the list? We want that list. (Uproar.)

The PRESIDENT: I will ask the Secretary to answer.

The SECRETARY: A meeting representing pharmacists in public institutions discussed these matters and appointed a small Committee to advise the Council on the list of institutions which might be approved. That



Committee met last week. The Council who have had the list before them on several occasions, had it before them yesterday. They decided not to pass the regulations, but to publish them in draft. They will be published in "The Pharmaceutical Journal," but before the by-law becomes operative anybody, any member of the Society—(Shouts of "Answer the question," "Where is the list?" and considerable uproar.) I decline, positively decline, to give answers to questions when I am not allowed to do so. (A voice, "Sit down," and cheers.)

Here considerable disorder took place, there being shouting and attempts on the part of a few to secure a hearing. When quietness was restored,

The SECRETARY then asked those in favour of the resolution to put the word "Yes" on the card. Those against will put the word "No" on the card. The cards will then be collected by the stewards, and members will kindly remain in their seats.

There was considerable disorder at this stage of the proceedings, some members approaching the platform and demanding from the Chairman the right or privilege to address the meeting or put questions. Amongst the interjectory observations were, "It is not a fair meeting," "Questions have been asked and not answered," "Who are the scrutineers?" "More trickery," "Where is the ballot-box?" and "Will the cards be tampered with?"

The PRESIDENT: I am not accustomed to so unruly a meeting. (Cries of "Speak up.") I have got the hall. This gentleman is asking a question. A question regarding the appointment of scrutineers has been raised. I am quite willing that the scrutineers should be appointed. (A voice, "Name these men.") Certainly that has got to be done.

Mr. EVANS: We strongly object to give up the cards to the stewards unless they are collected in a sealed ballot-box. It is not a fair ballot. (Uproar.) They should be placed in a sealed box where there can be no tampering with them. (Cheers and hooting.)

The SECRETARY: Appoint twelve scrutineers. The cards will be collected and counted in a room beneath the platform where there is a staff of clerks. Twelve scrutineers can be appointed from the meeting so that they may be satisfied it is done in order. The President asks the meeting to name their twelve scrutineers.

A MEMBER: I have to move that there be six scrutineers on each side.

This was agreed to, and the scrutineers were appointed. The cards were then collected, amid considerable excitement. Several members approached the platform and protested, whilst others claimed the right to speak. After the lapse of more than half an hour the Council again appeared on the platform. The President, on taking the chair, called upon the Secretary to declare the result of the vote.

The SECRETARY: The cards collected at this meeting have been counted. There were 48 unsigned cards, of these 25 voted "Yes" and 23 "No." (Laughter.) The trouble of the unsigned cards is over. Of the others there were 682 "Yes," and 434 "No." (Loud cheers and hooting.)

The PRESIDENT: You have heard the result of this vote, which has been taken at what I consider the largest meeting of the chemists of this country that has ever been held. (A voice, "No.") Somebody says no; I say yes. I have lived long enough to know when I am speaking the right thing. I have got to thank those present for having attended. Some of them have come very long distances indeed, at great personal inconvenience and sacrifice, and have thus assisted in giving what I consider a right and proper result. (Cheers.) I feel quite satisfied. (A voice, "Obviously," and another voice, "You can laugh at them now.") There is nothing obvious about it. No one can say from seeing my face whether I am pleased or whether I am not pleased. At any rate it would not have mattered to me one little jot, as President of this Society, if the vote had gone the other way. I should have thought then that I must have been in the wrong. I feel now that I am in the right. (Cheers.) I feel the more convinced of that from the fact that the post-cards come from so many members in the country who

have come up in such large numbers. I thank you all for your presence and for your conduct at the meeting. (Laughter.)

(At this point there were calls for cheers for the President and "For the men who voted No.")

Mr. WOLFF: We English people know when we have won, and we know when we have lost. We at least can take a beating. I know I can say on behalf of my colleagues that this settles the question as far as we are concerned. (Cheers.) At the same time I would like to make one observation, and it is this. You will agree with me that in future, when questions of such magnitude as this arise, these should be put before the whole of the craft before they reach this stage. I and my colleagues are more than satisfied with the result of this meeting. In spite of all the personalities that have been used I only hope now that we can all pull together. (Cheers.)

The SECRETARY: I only hope that with what is in front of the Society during the next twelve months that we shall forget as soon as we can the incidents of this controversy. There are people waiting outside to be fought; we have spent too much time during the last three months fighting each other. (Cheers.) I hope that if I have said anything or done anything which has, at the moment, left the least feeling of bitterness, that I shall be given the credit, at any rate, as I give the credit to others, for desiring the best thing.

Mr. SKINNER: I do not want to talk anything about the by-law. I recognise that I am defeated. What I want you to do is to show your hearty appreciation of, and give a hearty vote of thanks to, the President for presiding at this meeting this afternoon. (Loud cheers.)

The PRESIDENT: I thank you extremely for the accord which you have given to the vote of thanks to myself so generously proposed by my colleague and friend Mr. Skinner. I hope, now that this thing has been settled, that bygones will be bygones and that we shall now work for the common and best cause of pharmacy. (A voice, "There is nothing of pharmacy left.") Everything is left. I want to say this before I sit down. This is the first time that you have had a Scotch President. (A voice, "Scotland for ever," and laughter.) I make bold to say it now, Scotland will not disgrace the cause of pharmacy. For forty years I have taken an active part in pharmacy. I have no axe to grind. I have placed my services at the disposal of the pharmacists of the country, and I mean to continue to do so as long as I possibly can.

The meeting finished with the singing of the National Anthem and cheers for the President.

## Gazette.

### Bankruptcy Acts.

#### RECEIVING ORDER AND ADJUDICATION.

PAWN, F. C., 27 Claremont Road, Bishopston, Bristol, and 348 Gloucester Road, Bristol, chemist.

JAMES ROBINSON & SON, wholesale druggists, Bradford, celebrated peace on July 31 by inviting their employés to a motor char-à-banc trip to Grassington, *via* Ilkley, Bolton Woods, and Burnsall. Tea was provided at Chapman's Temperance Hotel, and the return journey was made through Skipton. Bradford was reached about 10 P.M., after a splendid day's outing.

OUR GERMAN CRITICS.—The German "Wirtschaftsdiest" (May 30) published a summary of the financial history of "British Dyes, Ltd." and Levinstein, Ltd., since 1915. The author, Dr. Loenwenfeld, has formed a favourable opinion of the ability of Dr. Levinstein to make a success of the amalgamation of these undertakings. He refers to the measures of financial assistance and protection promised by the Government, but is of opinion that, when the merchant comes to sell his coloured goods in the East, many an import licence will be issued for the indispensable German dyes.



## Association Affairs.

**Blackburn.**—Members of the Blackburn Chemists' Association recently passed a resolution of loyalty to the Pharmaceutical Council, on which Mr. R. Lord Gifford, J.P., of Blackburn, has served for nearly twenty years.

**Bournemouth.**—A special meeting of the Bournemouth Pharmaceutical Association was held on July 31, Mr. Rose presiding, to hear a report of the meeting held for Local Associations Executive officers on July 25 with regard to the by-law. Mr. Martin, who had represented the Association, was the speaker, and a discussion followed the report. Congratulations were offered to Mr. F. E. Bilson on his appointment as Chairman of the Bournemouth Insurance Committee.

**Bradford.**—The emergency meeting of the Bradford Pharmacists' Association (*C. & D.*, August 2, p. 58) considered a letter from the Bradford Chamber of Trade, forwarding an appeal by the local branch of the Shop Assistants' Union for the adoption, in regard to assistants' hours, of 12 noon closing on the weekly half-holiday instead of 1 P.M. as at present. After consideration it was decided, in view of the needs of the public, to recommend a compromise in the form of 12.30 P.M. closing.

**Coventry.**—A meeting of the Coventry Pharmacists' Association was held on July 29, Mr. C. H. Welton in the chair. It was decided to support the candidature of Mr. Charles Davis, Warwick, at the forthcoming election of the Local Associations Executive Committee. The proposed by-law was discussed after the Secretary had reported on the Conference of Local Association officials. Mr. Robinson and the secretary gave the reasons why it is considered expedient to pass the new by-law. It was decided to mark the retirement of Mr. Wilson (secretary), after five years' excellent service, by a presentation, and a sub-committee was formed to arrange the details.

**Devon.**—The annual meeting of the Devon Pharmaceutical Association was held on July 31 at Torquay, the President, Mr. P. F. Rowsell, J.P., in the chair. Mr. Rowsell, in responding to congratulations on his election as Vice-President of the Society, commented on the critical period through which pharmacy is passing, and gave several reasons for supporting the by-law. The President then referred to the death of Mr. F. Maitland, and a vote of sympathy with his relatives was carried in silence, the members standing. A further item before the business meeting was the presentation of a picture to Mr. H. Wippell Gadd. In making the presentation, Mr. Rowsell congratulated Mr. Gadd on his new sphere of usefulness, but deplored the fact that his removal to London compelled him to relinquish his official connection with the Devon Association. Mr. Gadd, in thanking the members, expressed the opinion that pharmacists had been wont to put too low an estimate on the value of their services. The business commenced with the consideration and adoption of a revised constitution and rules for the Association, as recommended by the Executive. The following officers were then elected: *President*, Mr. Rowsell; *Vice-President*, Mr. J. D. Turney; *Treasurer*, Mr. W. J. Shepperd; *Hon. Secretary*, Mr. F. Southerden; *Hon. Auditors*, Messrs. E. Lemmon and J. Taylor. The financial statement and report of the Executive were adopted, as also were reports on the Local Associations Conference by Mr. D. A. Evans, and on the British Pharmaceutical Conference by the Secretary. A final report on the War Auxiliary Benevolent Fund showed that Devon had contributed 232*l.* A discussion on circular No. P.S. 65 resulted in the paragraphs on employers' sections being referred to the Executive, and those on membership of Local Associations depending on membership of the Pharmaceutical Society being referred to the district associations for consideration. The pricing of prescriptions was debated, and, finally, the subject was commended to the district associations for consideration. The associations were also asked to appoint delegates to a county conference on the subject in October. It was resolved that future nominations for the L.A.E. be considered at the spring meeting of the Association.

**Lancaster.**—A general meeting of the Lancaster Pharmacists' Association was held on July 29, Mr. H. Troughton (President) in the chair. The President and secretary reported on their visit to London with regard to the proposed by-law, and it was decided to recommend members to vote for the by-law under protest. Copies of the following resolution were directed to be sent to Sir William Glyn-Jones and to Mr. Campkin (one of the minority representatives):

That this meeting of the members of the Lancaster Pharmacists' Association strongly protests against the inclusion in the President's (Mr. Currie's) referendum of the question of a vote of confidence in the majority of the Pharmaceutical Council, as a vote for the adoption of the by-law does not necessarily mean approval of the policy of the Council which has rendered that adoption necessary.

An Employers' Section of the Association was then formed. As to the proposal that all members of Associations should be members of the Pharmaceutical Society, it was unanimously decided that such a step was undesirable. To accelerate communication between headquarters and members, it was agreed that sub-secretaries be appointed as follows: Mr. F. N. Whitehead (Morecambe), Mr. A. Colbeck (Carnforth), Mr. H. K. Duckworth (Grange-over-Sands).

**N.E. Lancs.**—At a meeting of the North-East Lancashire Chemists' Association, held at Blackburn on July 30, Mr. J. W. Aspinall in the chair, Mr. R. Lord Gifford, J.P., gave a detailed explanation of the Council's proposals with regard to the proposed new by-law. Messrs. Aspinall and Law (Secretary) reported on the meeting held in London at the Memorial Hall. Both speakers emphasised the necessity of being loyal to the majority of the Council on this matter. Mr. W. H. Grimshaw moved a resolution recommending all chemists to vote in support of the passing of the proposed by-law. The resolution was carried unanimously, and it was agreed to secure as representative a gathering as possible to attend the forthcoming meeting in London, at which the final voting will take place.

**South Wales Federation.**—A recent executive meeting of the South Wales and Monmouthshire Pharmacists' Local Associations Federation was held at Newport, when representatives from affiliated associations were present, Mr. Benson Harries occupying the chair. It was stated that as Wales has now a separate Board of Health, it is essential that the North Wales Associations should join the Federation, in view of the prospects of reconstruction work in health reform. The Advisory Committee of the College of Pharmacy was instructed to make the necessary arrangements for the opening-day in October at Cardiff. The Chairman reported on his interviews with Sir Thomas Hughes (Chairman) and Dr. Richards (Vice-Chairman), of the Welsh Board of Health, and read correspondence relating to the representation of pharmacy upon the consultation board. The Chairman and ex-Chairman were appointed as the representatives. Col. Umberville (Appointments Board) attended to explain the Government grants to pharmaceutical candidates. A general discussion on the proposed by-law and future policy of the Federation was then opened. Messrs. Jenkins and Pugh Davies (President and secretary of the Pembroke Association) extended an invitation to the Federation to attend the next quarterly meeting.

**Thames Valley.**—After our reporter had left the by-law meeting of the Thames Valley Pharmacists' Association on July 30 (*C. & D.*, August 2, p. 58) a resolution was carried "That this meeting very much deprecates the scurrilous attack on the members opposed to the by-law by the President of the Pharmaceutical Society, and orders that a copy of this resolution be sent to the Pharmaceutical Council."

**CAMPAIGN AGAINST RATS.**—The "Society for the Destruction of Agricultural and other Pests," meeting recently in London, passed a resolution asking Lord Aberconway, Chairman of the Society, to press for the third reading of the Rat Bill in the House of Lords. It was also decided to take steps to compile a directory of rat-catchers of repute and a list of approved methods of extermination.



# Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

## Reports from Local Centres.

### ENGLAND.

**Blackburn.**—The Insurance Committee has appointed Dr. P. Prebble Chairman of the Pharmaceutical Service Sub-Committee and Mr. Whewell (manufacturing chemist) Vice-Chairman. Mr. R. Lord Gifford, J.P., Ph.C., and Mr. W. H. Grimshaw (chemist and druggist) were appointed to represent this body on the Joint Service Sub-Committee. Regarding the complaint against a chemist of dispensing a poisonous lotion in an ordinary medicine bottle (*C. & D.*, August 2, p. 59), the Committee recommended that the chemist be notified that, in the opinion of the Committee, he had failed to carry out the instructions of the doctor. He had previously been warned by the Committee in July, 1916, and if any further complaint is proved the Commissioners will take steps to have his name removed from the panel.

**Bradford.**—The first meeting of the newly appointed Pharmaceutical Committee was held recently, when the following officers were elected: *Chairman*, Mr. D. S. Priestley; *Vice-Chairman*, Mr. George Penty; *Secretary*, Mr. A. T. Bailes; the other members being Messrs. A. Bainton, A. Craven, A. Paull, A. Holroyd, A. C. Pyecroft, R. T. Silson, A. Smith, F. Smith, W. Sutcliffe, and J. W. Thorpe. In succession to Mr. Gregory, who had resigned from the Insurance Committee, it was decided to recommend Mr. W. K. Jackson to the Commissioners.

**Devon.**—The first meeting of the newly elected Pharmaceutical Committee was held on July 31 at Torquay, when Mr. F. March was elected *Chairman*, Mr. M. T. Foster *Vice-Chairman*, and Mr. F. Southerden *Secretary*. Messrs. M. T. Foster and W. W. Pine were re-elected *Auditors*. Mr. Calkin (Salcombe) was co-opted as a member. The *Secretary* reported the number of prescriptions for 1918 to be 244,691, and their value 7,847*l.* 7*s.* 9*d.* The report of the Central Checking Bureau was approved. In response to a request from the Tariff Sub-Committee for instances of the abnormal increase in salaries paid to assistants by chemists, it was reported that several replies had been forwarded to headquarters. The termination of the work of the Joint Committee on Recruiting was recorded, and the *Secretary's* report also noted that the resignation, on May 1, of the Secretaryship by Mr. H. Wippell Gadd, in consequence of his removal to London, had been accepted by the Committee with the greatest regret. The financial statement and *Secretary's* report were adopted.

**Essex.**—At a meeting of the Insurance Committee, held on July 29, the Medical Benefit Sub-Committee gave the following information:

|                             | 1917           | 1918           |
|-----------------------------|----------------|----------------|
| Number of prescriptions ... | 629,782        | 716,163        |
| Average cost ...            | 6.44 <i>d.</i> | 7.41 <i>d.</i> |

**Portsmouth.**—At a meeting of the Insurance Committee on July 31 it was agreed that a chemist who had resigned from the panel should be replaced by his successor. The chemists who had replied were stated to have offered no objection to the new scheme of payment, but a large number had not replied, and it was resolved that the scheme be introduced for a trial period (July to September 1919). The Pricing Committee having completed the pricing of prescriptions for May 1919, reported as follows: No. of scripts, 9,733; average cost, 8.25*d.* (In May 1918 the average cost per script was 7.52*d.* on 9,897 scripts.)

### SCOTLAND.

**Selkirkshire.**—At a meeting of the Selkirkshire Insurance Committee held on July 30, the statistical statement with regard to prescriptions during the year 1918 was submitted. The total number of forms was 10,940; average value, 11.24*d.*; average cost per person, 15.84*d.* The statement for the three months of 1919 was also submitted, showing an average value of 11.9*d.*, and the

average cost per person 5.68*d.* It was pointed out that these months covered the period of influenza epidemic.

**MEDICAL AND PANEL COMMITTEES CONFERENCE.**—A recent conference of representatives of local Medical and Panel Committees, called by the British Medical Association, was held at the Connaught Rooms, London, at which, among others, 153 representatives of 154 Insurance areas attended. Dr. J. A. Macdonald, LL.D. (Chairman of Council), presided. With regard to the Drug Fund, Dr. Brackenbury, on behalf of the Insurance Acts Committee, accepted an amendment, in the name of York stating that payment for emergency drugs must include remuneration for drugs dispensed by the practitioner when no pharmacist is available. He undertook also that the Rural Practitioners' Sub-Committee should give the following suggestion consideration along with other alternative methods: That in place of the present arrangement, where it is in force, by which the divisor of the total money paid to chemists for drugs is now (1) the total number on the prescribing doctor's list *plus* (2) the whole of the unallocated persons, there should be substituted an arrangement by which the divisor should be (1) *plus* the proportion of (2) which (1) bears to the whole number of insured persons in the area. Further amendments were agreed to drawing the attention of the Ministry of Health to the preferential treatment of medical institutes over panel practitioners in regard to dispensing. The hours of dispensing by chemists in industrial areas were also referred to, and a discussion took place on the methods adopted in various localities to maintain an efficient dispensing service. One practitioner spoke of the increased difficulty in semi-rural areas, and urged that the Conference deal with the matter centrally. Another medical man pointed out that, in his district, the difficulty had been circumvented by an agreement granting permission for the doctors to dispense. An amendment that chemists should collectively be responsible for the supply of medicines to insured persons at all times was withdrawn on the Chairman undertaking to send a notice on the subject to the Insurance Commissioners. It was agreed, also, to write the Pharmaceutical Society on the matter. An amendment that the Panel Committee should decide the method of payment for the supply of drugs, in rural areas, was agreed to.

## West Indian Orange Oil.

In a recent issue of the "Agricultural News" it is stated on the authority of the "Journal of the Jamaica Agricultural Society" that a much larger percentage of orange oil could easily be obtained from the rind of the fruit than by the method now in use, which is the old system of "ecueeling." By this process it is stated only about 30 per. cent. of the oil is obtained, the rest being thrown away with the remainder of the fruit. The following methods are suggested in order to obtain a greater percentage of the available oil, and consequently to increase the profits. The thin layer of yellow skin containing the oil may be removed from the fruit with specially constructed machines (orange peelers), worked by hand or foot power and very reasonable in price. This skin can be automatically fed into a form of meat grinder, from which it emerges as pulp, similar in appearance to ordinary sawdust. From the grinder the pulp is automatically passed into a fruit press, and subjected to pressure sufficient to squeeze out about 60 per. cent. of the oil. The residue is then thrown into a container partly filled with water which has been boiled and allowed to cool to about 150° F. By the aid of a suitable paddle the pulp is submerged in the hot water and the floating oil is skimmed off. A similar oil, it is said, obtained from the rind, is considered superior to the orange oil used in the perfumery trade. Further, it is suggested that the juice of the oranges might be canned, and that it would find a ready market in the United States, where orange syrup is greatly in demand for "soft drinks." Another suggestion is that after the skins have been removed and the oil pressed out, the remaining portion of the fruit, together with the pulp left after extraction of the oil, can be made into very palatable marmalade.



## Trade Report.

42 Cannon Street, E.C. 4, Aug. 7, 3 p.m.

QUITE a holiday tone has prevailed in the markets this week, and in many instances business was not resumed until Wednesday. In view of the labour unrest and uncertainty there is not much disposition at the moment to contract for forward delivery, home buyers entering the market for immediate requirements only. Licences for the importation of synthetic chemicals are only being granted very sparingly, and for small quantities only. The names of the members of the Import Restrictions Committee have now been announced (p. 50), and should give satisfaction, as all sections of the chemical trade are represented. It would save importers much trouble and worry if the decisions arrived at by the Committee were made public as quickly as possible. We understand that licences are being granted for the importation of a limited quantity of vanillin, based on the 1915 imports, to those firms who were direct importers in that year. Meanwhile those synthetic chemicals for which licences are not likely to be granted remain firm, but as this is a holiday week there is little change to note in this group. Bromides and salicylates are in good inquiry, and potash bromide is comparatively scarce on spot. The Potassium Compounds Order has now been suspended by the Ministry of Munitions, as it is no longer necessary, and the market is again "open." There has been a sudden rise in crude iodine of  $1\frac{1}{2}$ d. per oz., and all the iodine compounds follow. On the other hand, the makers of morphine, codeine, atropine, caffeine, and strychnine salts have reduced their prices, as cheaper raw material is available. Menthol, Japan oil of mint, and star anise oil are easier owing to lack of support. Much confusion continues to exist in regard to net terms when selling Japanese and Chinese produce in Mincing Lane, some firms quoting a discount of  $2\frac{1}{2}$  per cent. and others net, and it naturally follows that where the price is equal the seller giving the discount gets the business. American peppermint oil is again easier in view of the prospects for the new crop. Shellac has had a further substantial advance, and olive oil is very firm as few imports are taking place from producing countries, and owing to congestion at the docks deliveries are delayed considerably.

| Higher                    | Easier             | Lower                  |
|---------------------------|--------------------|------------------------|
| Glucose                   | Anise oil, star    | Apomorphine            |
| Iodine (crude and resub.) | Menthol            | Atropine               |
| Iodoform                  | Mint oil (Jp.)     | Caffeine (Eng. makers) |
| Potash iodide             | Peppermint oil     | Citrates               |
| Shellac                   | (Amer.)            | Codeine                |
| Sodium iodide             | Soda acetate       | Leptandrin             |
| Turpentine                | Sparteine sulphate | Morphine salts         |
|                           |                    | Strychnine and salts   |

### Cablegram.

NEW YORK, August 9.—Business is fair. Menthol has advanced 15c. per lb. to \$7.65. Cartagena ipacacuanha is lower at \$2.75. Iodine preparations have been advanced; resublimed iodine is now \$4.50, iodoform \$5.50, and potassium iodide \$3.60 per lb.

AMIDOPYRIN is in good export inquiry, sellers quoting 52s. 6d. per lb. on the spot.

ANISE OIL, STAR, has been extremely quiet, with sellers of "Red Ship" brand at 5s. to 5s. 3d. per lb. on the spot. ASPIRIN remains firm at from 4s. 6d. to 4s. 9d. per lb. for spot supplies.

ATROPINE.—English makers have reduced the price of B.P. sulphate to 45s. per oz. net and the pure alkaloid to 55s. net. APOMORPHINE.—The makers' list price of hydrochloride crystals has been reduced by 6s. per oz. to 58s. per oz. net.

BALSAMS are firm. *Tolu* is quoted at 6s. 6d., *Peru* (B.P.) at 16s. 9d., and B.P. *Copaiba* at 4s. 6d. per lb. on the spot.

BERGAMOT OIL.—A Sicilian report dated July 29 reports an entirely unchanged market with little doing. The spot (London) quotation is about 20s. 6d. for 37 to 38 per cent. esters, and to arrive 18s. 6d. per lb. c.i.f. is quoted.

BROMIDES are firm, particularly potash, which is comparatively scarce on the spot in the absence of arrivals, and 3s. 3d. to 3s. 6d. per lb. is quoted for crystals and 3s. 1d. to 3s. 2d. for granular. Ammon. is 3s., and soda 2s. 7d. to 2s. 8d. per lb.

CAFFEINE.—English makers have reduced the price of pure crystals to 30s. per lb. and the B.P. citrate to 20s.

CAMPOR (REFINED) is steady, with spot sales of Japanese 2½ lb. slabs at 13s. 6d. per lb.

CLOVES.—Fair Zanzibar touched 1s. 8d. per lb. on the spot prior to the holiday, and have since been firm at 1s. 7d. to 1s. 8d.

CLOVE OIL is firm at 13s. 2d. per lb. from English makers.

COCAINE is steady at from 24s. to 25s. per oz. for hydrochloride on the spot.

CODINE.—Makers' prices have been reduced by 2s. per oz., crystals and precipitated offering at 25s., hydrochloride, phosphat., and sulphate at 21s. per oz. on contracts of 175 oz.

COUMARIN.—On account of the difficulty of obtaining import licences spot holders are firm at 55s.

FARINA.—Japanese is quiet with spot sellers at 49s. 6d. per cwt., and July-September shipment at 47s. 6d. c.i.f. Sweet potato flour is steady at 43s. on spot.

GINGER is slow of sale, and unless the demand improves rather lower prices are anticipated. Sound washed rough Cochin is scarce, the greater part of the supplies on offer being more or less wormy and of poor quality. Sierra Leone and Japanese are steady at 57s. 6d. and 52s. 6d. per cwt. respectively. At auction 646 bags Sierra Leone offered, of which 40 had been sold privately at 57s. 6d.; 790 bags slightly wormy rough-washed Cochin offered, and 17 sold at 62s. 6d.

GLUCOSE is 1s. per cwt. dearer at 58s. 6d. duty paid for American water white liquid, landed terms.

HEN-YOLK is quiet, Chinese liquid hen (2 per cent. boric acid) selling at 215s. per cwt. on the spot, and now landing at 210s. *Dried whole* on the spot is 3s. 3d. and afloat 3s. c.i.f.; spot sellers of *Dried yolk* on spot quote 2s. 4d., and July-September shipment 2s. 3d. c.i.f.

HEXAMINE is firm at from 5s. 6d. to 6s. per lb. on the spot.

IODINE PREPARATIONS.—On August 1 the Chilian Iodine Syndicate advanced the price of crude iodine by  $1\frac{1}{2}$ d. per oz. to 1s., the previous change having been in November 1917. The English makers of iodine preparations have followed this advance to the extent of 1s. 8d. per lb. on potassium iodide, 1s. 9d. on sodium iodide, 2s. 2d. on iodoform, and 2s. per lb. on resublimed iodine. The following are the net quotations:

|                      | List Price | 14 lb. and upwards | 28 lb. and upwards | 112 lb. and upwards |
|----------------------|------------|--------------------|--------------------|---------------------|
|                      | s. d.      | s. d.              | s. d.              | s. d.               |
| Potassium iodide ... | 16 3       | 16 0               | 15 9               | 15 6                |
| Sodium iodide ...    | 17 5       | 17 1               | 16 9               | —                   |
| Iodoform ...         | 22 2       | 21 8               | 21 4               | —                   |
| Iodine resub. ...    | 18 11      | 18 7               | 18 4               | —                   |

LEMON OIL remains firm at from 5s. to 5s. 2d. per lb. on the spot, and at 4s. 11d. c.i.f. A Sicilian report dated July 29 reports "a continued active demand, and this has given holders a good opportunity of pushing up the market. As generally happens when the market is firmer, exporters who had blank sales to cover hastened to do so, contributing in further strengthening the position. Holders are very hopeful that the opening of trade with Germany may bring about a good demand from that quarter and enable them to obtain still higher prices. We do not quite share their views, considering that the greater part of the German trade was for re-export and not for inland consumption. On the other hand, we do not think that even if this expected demand does not set in, this may have a weakening influence on the mood of the sellers for many weeks to come, as the financial condition of holders in Sicily is now such that they can well afford to wait."

LEPTANDRIN.—Makers' price has been reduced by 3s. per lb. to 17s. net.

LIQUORICE JUICE.—Pure block ranges in value from 225s. up to 275s. per cwt. on the spot, and sticks offer at from 400s. to 425s.

LIQUORICE-ROOT.—Cut decorticated continues in limited supply 200s. per cwt. being asked, and the value of fair natural is 75s.

MENTHOL is quiet and easier, with spot sellers of Kobayashi-Suzuki at 35s. per lb. on the spot.

MILK-SUGAR remains firm, Dutch powder offering at 210s. per cwt. on the spot. The Government appear to have sold a goodly portion of their holdings, and are now asking a higher price for the remainder. The American makers have again reduced their price slightly to 39c. to 40c. per lb., the demand being limited. In its issue of July 16 the "New York Drug and Chemical Markets" says that "it is reported that the Dutch are out to get the European business, and are knifing prices with this object in view. They will undoubtedly have a hard row to hoe in bucking the facilities of American makers."



**MINT OIL.**—Japanese dementholised is quiet with small spot sales of Kobayashi-Suzuki at 7s. 6d. to 7s. 4½d. per lb., and to arrive 7s. 4½d. c.i.f. is quoted.

**MORPHINE.**—In view of the reduction in opium, makers have reduced their prices by 1s. 6d. to 1s. 10d. per oz., the following being the list quotations: Crystals, 20s. 11d.; precipitated, 20s. 8d.; acetate, 16s. 6d.; bromide, 20s. 8d.; diacetyl, 30s.; diacetyl hydrochloride, 29s.; ethyl hydrochlor., 30s.; hydrochloride, 16s. 6d.; crystals, 16s. 9d.; meconate, 20s. 8d.; sulphate, 16s. 6d.; crystals, 16s. 9d.; and tartrate, 20s. 8d. per oz. net.

**NUX VOMICA** sells slowly on the spot in view of the heavy stocks, fair Calcutta quality being obtainable at 30s. per cwt.

**OLIVE OIL.**—With exports from Spain, France, and Italy practically stopped, the spot stocks are gradually being reduced, and as it is extremely difficult to get delivery from the docks of consignments which have arrived the market is very firm, and for what the Government hold higher prices are asked. Finest edible French oil is offered at 17s. 3d. to 17s. 6d. per gal., and Spanish is 16s. to 17s.

**ORANGE OIL.**—A Sicilian advice dated July 29 reports that the available supply is rather limited and in strong hands, so that the demand which set in has caused a gradually higher market. Sweet on the spot (London) is quoted at 12s. 6d., and to arrive at 13s. per lb. c.i.f.

**OTTO OF ROSE.**—A limited quantity of guaranteed genuine Anatolian is offered at 57s. 6d. per oz.

**PEPPER** has been quiet but steady, with sales of fair black Singapore at 1s. 0½d. to 1s. 0¾d. per lb. on the spot, Tellicherry at 1s. 2½d., and Aleppy at 1s. 0½d. per lb. To arrive, black Singapore for August-October shipment is quoted at 1½d. to 1s. per lb. c.i.f. London d.w. White is quiet, fair Singapore offering at 1s. 4½d., and Muntok at 1s. 5d.; to arrive Muntok for August-October shipment is quoted 1s. 5d. c.i.f.

**PEPPERMINT OIL.**—American tin oil is again weaker, and with buyers holding off sellers are anxious to clear; good so-called Wayne County can be had at about 38s. H.G.H. is nominal at from 50s. to 52s. 6d. A New York advice dated July 16 states that the market for tin oil has declined to \$8 per lb., and as the time of the new crop approaches, holders are attempting to get rid of their stocks. Reports from the growing centres indicate that there will be better supplies this year than last.

**PHENAZONE** is selling at about 30s. per lb. for trade requirements, and can be had at slightly less for forward delivery.

**PIMENTO** is quiet, with spot sellers at 5½d. per lb. The home demand is small, but good sized quantities have been exported, and stocks are being reduced.

**POTASH SALTS.**—The Ministry of Munitions have issued an Order suspending from August 1 the operation of the Potassium Compounds Order, 1917, as modified by the Potassium Compounds (Partial Suspension) Order, 1919.

**QUICKSILVER.**—The position is regarded as being quite strong at 23½. 10s. to 24½. per bottle, while a considerable amount of business has been done lately. Inquiries are still coming in for export especially to India, and with the bulk of the supplies reaching this country well under control, there is not much chance of any important set-back for some time unless the demand relaxes. According to New York reports, the price there, which has been driven up to \$108 per flask, has since declined to \$103, which was the quotation on July 19. There is apparently rather a wide disparity between the Francisco and the New York quotations, which is chiefly accounted for by the fact that the filling of orders in New York, where very little stock exists, is more difficult than in California. The difference recently was over \$10 per bottle. American production being barely sufficient to meet domestic requirements, and the bulk of the export demand on European and Eastern account being centred on this market at present, the outlook thus tends to favour the retention of abnormally high prices.

**SAFFRON** is firm, with spot sales of finest Valencia at 57s. 6d. per lb. net.

**SALICYLIC ACID** remains firm at from 2s. 4d. to 2s. 6d. per lb. for B.P. powder.

**SANDALWOOD OIL** has shown a hardening tendency, with Mysore distilled offering at 48s. per lb. net.

**SENEGA** is still quoted at 8s. per lb. on the spot.

**SHELLAC** shows a further considerable advance of about 30s. per cwt. on the spot, and with a good inquiry the quotation for the usual standard quality of TN Orange closed on Wednesday at 435s. per cwt. and blocky AC Garnet 365s. Last week the market for August delivery closed at 420s., but this week up to 427s. 6d. has been paid, while for October prices have ranged from 428s. to 440s. Sales to arrive include TN for June-July and July-August shipment at from 400s. to 410s. c.i.f.

**SODA ACETATE** is weaker and slow of sale at from 52½. to 55½. per ton.

**SODA SALICYLATE** is firm at 3s. 6d. to 3s. 8d. per lb. for B.P. powder.

**SPARTEINE SULPHATE** is slightly easier, as new crop of raw material has been available for some time past, and this has relieved the scarcity. From 20s. to 22s. 6d. per oz. is quoted by spot sellers.

**STRYCHNINE** has been reduced by makers by 5d. per oz., the following being the list prices: Crystals, 6s. 10d.; precip., 6s. 9d.; arseniate, 6s. 8d.; bisulphate, 6s. 4d.; hydrochloride, 6s. 7d.; hypophosphite, 8s. 7d.; nitrate, 6s. 6d.; phosphate, 7s. 1d.; and sulphate, 6s. 6d. per oz. net.

**TURPENTINE** is again dearer, and a large business has been done, the spot price of American closing on Wednesday at 124s. 6d. per cwt. net.

**VANILLIN.**—A reference to the conditions under which the Import Restrictions Department of the Board of Trade are granting licences will be found below. The measures taken are not likely to reduce the scarcity. Small sales from dealers' hands have been made up to 82s. 6d. per lb.

### Fixed Prices for Oils.

The Ministry of Food (Oils and Fats branch) have issued an Order, dated July 30, fixing the following prices for deodorised oils to be paid by margarine makers or other licensed consumers, net, naked, ex mill:—Deodorised palm-kernel oil, spot November delivery 110½., December 104½., January 102½., February 100½.; deodorised ground-nut oil, spot September delivery 130½., October-December 120½., January 110½.; deodorised soya-bean oil, Spot December delivery 110½.; and deodorised coconut-oil, spot and forward delivery 110½. Brokers' commissions, etc., if any, to be borne by the sellers.

### The Importation of Vanillin.

We understand that the Import Restrictions Department of the Board of Trade is now prepared to grant licences for the importation of a limited quantity of vanillin for the next six months, based on the 1915 imports, to those firms who were direct importers in that year. At present it is not known what proportion of the 1915 quantity is to be allowed. Firms who imported vanillin during that year without the intervention of any other agent in this country should furnish the Department of Import Restrictions with a sworn statutory declaration showing the net weight imported from each country, for which Customs entries were passed during that year. The statutory declaration must be stamped, the duty being 2s. 6d.

### Java Cinchona.

Owing to the absence of shipping facilities and the small amount sold the total stock of cinchona bark held by the Dutch Government was exceptionally large, and amounted to no less than 1,320,895 kilos. on January 1, 1919, as follows: In stock, harvest of 1918, 722,322 kilos.; in stock, harvest of 1917, 240,235 kilos.; in stock, at Bandoeeng, 1918, 98,358 kilos.; in stock, at Bandoeeng, 1917, 155,648 kilos.; in stock, at Tandjong Priok, 1917, 27,625 kilos.; shipped to or in Holland, 1916, 76,707 kilos. The total number of cinchona plants in the various Government tree nurseries in the Dutch Indies amounted to 3,372,000, while there were altogether 10,724,500 full-grown plants on the various plantations—viz., 8,718,000 *Ledgeriana*, 294,000 *Succirubra*, 461,500 hybrids, and 1,251,000 *Robusta*.

### Spanish Olive Oil.

The Spanish "Official Gazette" (July 6) contains five Royal Orders affecting trade in olive oil. At the end of June the Spanish press was almost unanimous in announcing that the Government had decided to permit the free exportation of olive oil. The announcements were so positive that the Minister of Supplies found it necessary to publish a statement to the effect that these rumours were entirely false, and, as a matter of fact, the actual circumstances were leading him to take precisely the opposite course. He added that he had no intention of authorising any exportation beyond the quantities fixed by the Royal Order of January 13, 1919. Order No. 120 deals with the question of price, Order No. 123 requires declaration of stocks by makers, and Order No. 124 provides that no further explanations for exportation of olive oil will be considered; that applications already received should be granted in the order of their dates, until the 90,000 tons have been exported.



# Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports named:

## London

(July 15 to 26).  
Spices: cassia, (Ch.) 200 brs., 1,900 cs., (W.I.) 42 bgs., (Bona-bay) 500 cs., 200 bbs.; cinnamon (Cey.), 330 bbs., 200 pkgs.; cloves (E. Af.) 238 bbs., (P. Said) 218 pkgs.; ginger, (Lagos) 3 bgs., (Jam.) 210 bgs., (Hong Kong) 350 cs.; pepper, (E.I.) 4,728 bgs., (N.Y.) 240 bgs., (S.S.) 750 bgs., (Jv.) 2,311 bgs., (P. Said) 168 bgs.; pimento, (W.I.) 4,833 cs., 3,469 bgs., (Fr.) 400 bgs. Starobes, etc., (U.S.) 11,820 bgs., 430 bbs., (Amst.) 135 cs.; rice (Antw.) 2,200 cs.; wheat (Jp.) 800 bgs.; potato (Jp.), 1,680 bgs.; dextrin (N.Y.), 860 bgs. Stearin, (N.Y.) 280 bgs., (E. Af.) 140 bgs. Talc, (Fr.) 2,132 bgs., (Sp.) 10 bgs. Tallow, (Amst.) 3,403 cks., 719 pps., 308 tcs., 1,025 pkgs., (N.Z.) 2,176 cks., (Ob.) 3,782 pkgs. Vanilla, (Sydney) 199 cs., (W.I.) 3 cs., (Natal) 18 cs., (Fr.) 10 cs. Wax, not described, 615 pkgs., (Fr.) 40 pkgs. Wax, bees' (R'dam) 16 pkgs., (Cal.) 84 bds., (E. Af.) 500 pkgs. Wax, paraffin, (U.S.) 2,932 brls., (scale) 3,198 brs. White, (Can.) 67 brs., (Sp.) 300 brs.

## Liverpool

(July 15 to 25).  
Almonds, (Sp.), 50 cs., 20 brs., 250 x ½ cs., 139 pkgs. Barytes, (U.S.) 643 brs., (Sp.) 3,268 pkgs. Carbon, black (N.Y.), 340 cs. Casein (N.Y.), 9 brs. Chemical products, etc., not described (chemicals and instruments), 50 cs. Boric acid (N.Y.), 850 cks. Calc. citrate (Demer.), 95 cks., 16 bgs. Calc. glycerophos. (N.Y.), 20 cs. Potashes (Can.), 4 brs. Soda bicarb. (N.Y.), 18 cks. Tartar (Fr.), 14 cks. Zinc oxide (N.Y.), 500 pkgs. Dextrin, (N.Y.) 3,168 bgs., (Jp.) 100 bgs. Drugs, crude: Aloes (N.Y.), 125 cs. Croton seed (W. Af.), 1 bg. Insect powder (Jp.), 110 cs. Kola (W. Af.), 15 bgs. Liquorice root (Sp.), 80 pkgs. Tamarinds, (Cal.) 100 cks., (Demer.) 35 brs., 2 pkgs. Yobimbene bark (W. Af.), 150 bgs. Drugs, medicines, etc., not described (New York), 13 pkgs., 438 cs.; Fellows' syrup

(N.Y.), 887 cs.; liniment (N.Y.), 2,300 cs.; plasters (N.Y.), 39 cs. Dyes, dyeing and tanning materials, etc.: algarobilla extract (S. Amer.), 1,004 cs., 1,000 bgs.; aniline colours (U.S.), 11 pkgs.; coal tar products (U.S.), 13 pkgs.; cocobineal (Canar. Is.), 36 bgs., 9 bbs.; dyes (vegetable), 14 cts.; extract logwood (N.Y.), 44 brs.; extract (tanning), (U.S.) 3,940 brs., (Fr.) 4,602 cks.; (bark), 60 brs.; myrab. (crushed), (E.I.) 10,162 pkgs., (extract), 1,876 bgs.; quebracho ext. (S. Amer.), 79,976 bgs. Gums, resins, etc.: almedina (Lisbon), 39 bgs.; lac, shell (Cal.), 69 cts.; resin, (Fr.) 1,326 cks., (U.S.) 7,400 brs. Glucose (N.Y.), 534 brs., 7,000 cs., 6,575 pkgs. Lead, white (N.Y.), 123 cks. Lime juice (Dem.), 42 cks., 402 pms., 72 hds. Lithopone, (R'dam), 380 cks., (U.S.) 375 brs. Mineral white (Fr.), 450 cs. Oils, essential: mint (N.Y.), 5 cs.; pepper-mint (Fr.), 15 cs.; turpentine (U.S.), 4,124 brs. Oils, fixed: coconut, (U.S.) 4,114 brs., (Cey.) 281 pkgs.; cottonseed, (B'zil) 204 brs., (N.Y.), 1,100 brs.; fish (N.Y.), 8,149 brs.; ground-nut (N.Y.), 300 brs.; olive, (N.Y.) 500 tins, 384 cs., (Fr.) 2 cks.; palm, (W. Af.) 5,757 cks., (N.Y.) 75 cks.; poppyseed (N.Y.), 12 brs.; seed (N.Y.), not described, 1,500 brs.; soya bean, (N.Y.) 789 brs., (Jp.) 1,000 cs.; wbalc (U.S.), 2,600 tins, 1,552 drms., 5,177 brs. Perfumery (Fr.), 121 cs. Seeds: anise (Sp.), 50 cs.; copra, (W.I.) 311 bgs., (W. Af.) 17 bgs.; cotton (B'zil), 1,543 bgs.; ground-nuts, (U.S.) 888 bgs., (Sp.) 300 pkgs., (W. Af.) 6,930 bbs., 2,016 bgs., 313 pkgs.; illipe (S'pore), 1,531 bgs.; lin. (E.I.), 4,092 bgs.; palm kernels (W. Af.), 64,647 bgs., 122 tins, 3,108 brs., 7,733 bbs. Spices: chillies (Beira), 10 bgs.; pimento, (Sp.) 2 bgs., (Fr.) 200 bgs. Starches (U.S.), 14,702 pkgs., 500 bgs., (wheat), 3,870 sks. Talc (Fr.), 14,327 bgs., 50 cs. Tallow, (B.A.) 514 pps., 1,062 cks., (N.Y.) 600 tcs., (Monte Vid.) 1,185 tons, 1,339 cks., 471 pps. Vanilla (Fr.), 16 cs.

Wax, not described (N.Y.), 349 bbs. Wax, bees' (Cal.), 76 cs. Wax, carnauba (B'zil), 151 bgs. Wax, mineral (N.Y.), 55 bgs. Wax, paraffin (N.Y.), 1,371 brs., 219 bgs., (scale) 2,440 brs., (Cal.), 267 bgs.

## Flectwood

(July 14 to 16).  
Logwood (W.I.), 1,251 tons, (roots) 1,209 tons.

## Folkestone

(July 11 to 17).  
Drugs (Fr.), 27 pkgs.; essential oils (Fr.), 45 cs.; (artificial), 5 cs.; perfumery (Fr.), 41 pkgs.

## Hull

(July 12 to 24).  
Acetic acid (N.Y.), 655 brs.; borax (N.Y.), 1,000 cks.; boric acid (N.Y.), 1,300 cks., 854 sks.; carbon black (N.Y.), 155 pkgs., 223 cs.; drugs (Amst.), 12 bbs.; Epsom salt (Alex.), 100 brs.; formaldehyde (N.Y.), 56 brs.; ground-nuts (N.Y.), 265 bgs.; gum, not described (N.Y.), 75 sks.; honey (N.Y.), 1,571 cs.; lead, white (N.Y.), 88 cks., 24 brs.; lithopone, (N.Y.) 250 brs., (R'dam) 40 cks.; mineral white (Fr.), 100 bgs.; potashes (N.Y.), 250 cs., 30 cks.; soda (N.Y.), 40 bgs. Seeds: caraway (Amst.), 10 bgs.; cotton, (E.I.) 8,615 bgs., (P. Sudan), 577 tons, 6,335 bgs.; jamba (E.I.), 30,108 bgs.; lin. (E.I.), 5,415 bgs.; rape (E.I.), 10,840 bgs.; starches (N.Y.), 5,550 bbs., 1,200 bgs.; zinc oxide (N.Y.), 1,350 brs.; zinc white (R'dam), 80 brs.

## Manchester

(July 16 to 24).  
Aniline dyes (Antw.), 527 cks.; barytes (U.S.), 96 brs.; farina (R'dam), 28,280 bgs.; fig-syrup (U.S.) 8,070 bbs.; glucose (U.S.), 320 brs.; lithopone (R'dam), 500 cks.; mineral, white (Norway), 1,800 bgs.; oxalic acid (R'dam), 20 cks.; resin (Sp.), 1,134 brs.; starch (U.S.), 2,225 sks.

## Southampton

(July 19 to 24).  
Aniline dyes (Fr.), 730 cks., 2 cs.; carbon black (N.Y.), 500 cks.; casein (Fr.), 288 bgs.; chemicals, not described (N.Y.), 301 cks., (and drugs) 2,534 cs., (Fr.) 8 cks.; essential oils (Fr.), 141 cs.; honey (New York), 30 brs.; olive oil (Havre), 105 cks.; pepper (N.Y.), 400 cs.; wax, not described (Fr.), 40 pkgs., 12 cs.

## London

(July 28 to August 2).  
Alcohol, cr. (U.S.), 139 drms. Alcolol, methyl (U.S.), 186 drms. Almonds, (Fr.) 170 bgs., (Mor.) 1,725 bgs., (Sp.) 501 bgs. Barytes (N.Y.) 505 brs., (Sp.) 3,740 bgs. Bismuth ore (Ch.), 112 bgs. Bronze powder (Jp.), 26 cs. Carbon black (N.Y.), 225 cs. Casein (Rio), 370 bgs. Chemical products, etc.: Acetic acid (U.S.), 402 brs. Ammon. phosph. (N.Y.), 104 brs. Argol, (Gre.) 300 bgs., (Sp.) 82 cks., (It.) 44 cks. Boric acid (It.), 400 brs. Calc. tartrate, (Gre.) 1,015 bgs., (Sp.) 20 brs. Citric acid (It.), 30 kgs. Milk sugar (Amst.), 200 cks. Oxalic acid (R'dam), 20 cks. Potashes (Amst.), 35 cks. Pot. iodide (Jp.), 90 cs. Tartar (Fr.), 54 brs. Tartaric acid (It.), 20 cks. Zinc oxide (N.Y.), 2,400 brs. Cocoa butter (N.Y.), 400 cs. Dextrin (N.Y.), 1,720 bgs. Drugs, crude: roots, barks and berbs. (N.Y.), 302 pkgs.; roots (Canton), 10 bgs.; roots (not descr.) (It.), 67 bgs.; berbs (Fr.), 537 bgs.; leaves (Fr.), 97 bbs., 51 bgs. Aloes (N.Y.), 150 cs. Aloin (N.Y.), 10 cs. Anelica, root (R'dam), 20 bgs. Balsams (R'dam), 10 cs. Belladonna (It.), 6 bbs. Burdock root (R'dam), 10 bgs. Cardamoms, (Cey.) 70 cs., (B'bay) 796 cs., (seed) 99 cs. Chamomiles (R'dam), 63 bgs. Cod-liver oil (N'way), 336 brs. Colchicum (It.), 15 bbs. Cubeb (B'bay), 15 bbs. Cuttle-fishbone (E.I.), 120 pkgs. Galls (Smyr.), 25 bbs. Henbane (Alex.), 45 bbs. Juniper berries (It.), 257 bbs. Laurel leaves (It.), 46 bbs. Liquorice (B'bay), 30 bbs., 45 bgs. Lycopodium (N.Y.), 32 bbs. Male fern (It.), 73 bbs. Menthol (Jp.), 45 cs. Myrrh (B'bay), 42 bbs. Nux vomica (B'bay), 447 bbs.

Opium (B'bay), 5 cs., (Smyr.) 23 cs., (Constan.) 30 cs., (Gre.) 6 cs. Orange-peel (Fr.), 36 cks. Papain (Cey.), 2 pkgs. Tamarinds (B'bay), 500 bds. Turmeric (B'bay), 1,086 bgs. Valerian (Ghent), 300 bbs. Drugs, medicines, etc., not descr. (N.Y.), 160 bbs., 1,298 cs.; alettris cordial (N.Y.), 108 cs.; bovine (N.Y.), 200 cs.; glyco-heroin (N.Y.), 120 cs.; glyco-thymoline (N.Y.), 11 cs. 713 bbs.; ointment (N.Y.), 60 cs.; plasters (N.Y.), 43 cs. Dyes, dyeing and tanning materials, etc.: aniline dyes (Belg.), 68 cks., 272 pkgs.; cochineal (Canar. Is.), 27 bbs., 18 cs.; extract, tanning (Aust.), 100 cs.; gambier (S'pore), 395 cs.; myrab. (E.I.), 2,431 bbs.; valonia (Smyr.), 117 tons, 632 bgs. Egg products: albumen, (Ob.) 508 cs., (Fr.) 82 cs., (Port.) 155 cs.; yolk (Ch.) 1,550 cs., 2,855 cks., (N.Y.) 25 brs., (Port.) 60 brs. Ether, butyric (Fr.), 3 cks. Gelatine, (Fr.) 46 bbs., (R'dam) 5 cs., 82 bbs., (U.S.) 22 bbs. Glucose (U.S.), 430 brs., 2,996 cs. Glycerin (Rio), 4 cs., (R'dam) 10 cks. Gums, resins, etc., not described, (B'bay) 264 bbs., (Mor.) 17 bbs.; acacia (Mor.) 4 bbs., copal (S'pore), 412 cs., (N.Y.) 140 cs.; damar (S'pore), 400 cs.; karaya (B'bay), 331 bbs.; olibanum (B'bay), 64 cs.; resin (N.Y.), 1,350 brs.; sandarac (Mor.), 331 bbs.; tragacanth (B'bay), 30 cs., 100 bbs. Honey (Rio), 90 cs. Insect powder (Jp.), 60 cs. Lead, white (U.S.), 360 brs. Lithopone (N.Y.), 250 brs. Malt extract (N.Y.), 25 brs., 100 cans. Methyl-ethyl ketone (U.S.), 30 drms. Oils, essential: anise (star) (Ch.), 150 cs.; mint (Jp.), 422 cs.; turpentine (Port.), 1,363 cs. Oils, fixed: castor (Rio), 60 brs.; coconut, (Jp.) 76,000 cs., 293 brs., (Cocobin) 180 cks., 150 cs., 308 pps., (N.Y.) 749 brs., (Amst.) 249 brs.; fish (hardened) (Jp.), 600 cs., (Port.) 229 brs., (U.S.) 2,561 brs.; ground-nut, (Jp.) 998 cs., (Ob.) 12,500 cs.; olive, (Fr.) 150 cs., 77 cks., (Sp.) 220 brs., 100 cs.; palm (R'dam), 807 brs.; rape, (Jp.) 2,000 cs., (R'dam) 356 brs.; soya-bean (Jp.), 35,016 cs.

Pepsin (U.S.), 26 bbs. Perfumery (Fr.), 88 cs. Petroleum jelly (N.Y.), 686 cs. Seeds: apricot kernels (Ch.), 133 bbs.; canary (Mor.), 4,294 bbs.; caraway (Amst.), 50 bbs.; cashebe nuts (B'bay), 67 cs.; copra, (Jp.) 655 bbs., (S'pore) 13,298 bbs., (Cey.) 8,000 bbs., (Cocob.) 5,861 bbs.; coriander (Mor.), 500 bbs.; cotton, (B'bay) 14,977 bbs., (Smyr.) 138 bbs.; cumin (Mor.), 3,089 bbs.; dari (Mor.), 1,369 bbs.; fenugreek (Mor.), 1,103 bbs.; ground-nuts, (Ch.) 1,577 bbs., (B'bay) 5,080 bbs., (Sp.) 125 bbs., (S'pore) 278 bbs.; liu, (Ob.), 1,075 bbs., (E.I.) 20,724 bbs., (Mor.) 4,713 bbs.; millet (Mor.), 163 bbs.; niger (B'bay), 490 bbs.; rape (B'bay), 1,231 bbs. Soy (Ch.), 100 cks. Spices: cassia (Ch.), 700 cs., 1,350 bbs.; cinnamon (Cey.), 100 bbs.; (chips) 70; cloves (B'bay), 564 bbs.; ginger (B'bay), 175 bbs., 120 cs.; mace (S.S.), 40 cs.; nutmegs (S'pore), 200 bbs.; pepper, (E.I.) 8,112 bbs., (Antw.) 68 - bbs.; pimento (Fr.), 124 bbs., (Antw.) 100 bbs. Sponges (Gre.), 102 cs., 121 bbs., 1 bg. Starches: (Jp.) 560 bbs., (U.S.) 2,920 bbs., 860 sks., 1,000 bbs., (Alex.) 1,200 cs., (Antw.) 200 cs.; potato, (Jp.) 15,107 bbs., (Gre.) 477 bbs.; wheat, (Jp.) 4,900 bbs., (N.Y.) 4,000 bbs. Tallow, (R. Plate) 3,014 tcs., 1,159 cs., 200 cks., (N.Y.) 856 cks., 226 brs. Terpinol (Fr.), 4 drms. Vanilla (Cey.), 10 pkgs. Wax, not described, (N.Y.) 50 brs., 62 bbs., 21 bbs., (Port.) 205 pkgs., (Mor.) 55 bbs. Wax, bees' (B'bay) 11 cs., (Mor.) 29 bbs. Wax, carnauba, (N.Y.) 759 bbs., (Rio) 35 bbs.

## Liverpool

(July 29 to August 1).  
Almonds (Sp.), 125 sks. Barytes (Sp.), 1,000 sks. Bronze powder (Can.), 57 pkgs. Casein (B.A.), 3,818 bbs. Chemical products, etc., not described (N.Y.), 56 pkgs.; zinc oxide (N.Y.), 500 brs. Dextrin (U.S.), 215 bbs. Drugs, crude: barks (N.Y.), 15 pkgs. Calabar beans (W. Af.), 32 bbs. Cod-liver oil (Fr.), 18 pkgs. Liquorice paste (Smyr.), 50 cs. Opium (Cstple.), 57 cs. Orange-peel (Malta), 15 cs.





### The "Face Value" Campaign.

SIR.—I have received so many inquiries from all parts of the country concerning the progress of the "Face Value" campaign, that I am compelled to request the hospitality of your columns, rather than attempt to answer each individually. I am glad to say the "Face Value" scheme is going on well, far better than I had ever anticipated; the continued progress has been most marked, and the prospects of ultimate success more than bright. Without going into detailed figures I will only say for the purpose of comparison that whereas in 1917 only 45 per cent. of proprietary articles on the list of the Proprietary Articles Trade Association were protected at "Face Value," at the present time about 64 per cent. are protected at "Face Value" and the number is still growing. Amongst those who have come into the fold during 1918 I may mention Allen & Hanbury, Ashton & Parsons, Sanatogen, Veno, Sanitas, Horlick, Leath & Ross, and many others; space prevents me giving the names of all. There is no question the words "Face Value" have come to take up a permanent place in the chemists' dictionary, and in my opinion it is only a question of time for the principle to become absolutely general. I have been surprised and delighted in my wanderings up and down the country to find the large number of chemists who, on their own and without consulting anybody else, have adopted for their own individual pharmacies "Face Value" in its entirety. Heaps of them have said to me, "I do not care what anybody else does, I am out for 'Face Value,'" and when I have approached them again after a few months' trial of the scheme, the reply invariably has been "Splendid; I could kick myself for not doing it before, I have put pounds and pounds in my pocket and do not think I have lost a single customer; the public expect to pay advances." Speaking of the individual chemist, might I urge with all the force at my disposal that the craft itself should, as a whole, take up the matter most seriously and more vigorously? The P.A.T.A. can do a good deal, the "Face Value" Propaganda Committee have done and can do a lot, the chemists themselves, however, as a body, can do still more. I would urge them not to sit down and let committees, speakers, and associations do all the work for them, but to do something themselves so as to hasten on the victory. It may be asked by some chemists "What can we do?" My reply is, "Make out a list, or if you cannot manage this yourself write to the P.A.T.A. for one, of manufacturers whose goods are sold at other than 'Face Value' and at other than remunerative profits—having obtained this list paste it up behind your desk, and every now and again send a postcard to the manufacturers in question urging upon them the principles of 'Face Value' with remunerative profit," and keep on doing it—every postcard or letter drives the nail a little further in. The owners of proprietary articles are deadly anxious to maintain the good will of the chemist and will go a long way to do this; the results of continual receipt of communications like this would be cumulative and assist enormously, far more so than the retail trade can imagine. Again, in any towns, such as, for example, London, Leeds, Lincoln, St. Helens (I only select these at random), which may happen to be the headquarters of any manufacturers whose goods are not sold at "Face Value" or bear a reasonable profit, I would urge the chemists of that town to form themselves into deputations and wait upon the houses in question—the results would be both educational and profitable. The Propaganda (Face Value) Committee of the P.A.T.A. purposes inaugurating a grand campaign during the coming winter, and if any association would like speakers to ventilate the subject all it has to do is to communicate with the Secretary of the P.A.T.A., who will when possible arrange to send leaders to open dis-

cussion. It is to me a matter of deep and personal regret that I shall be out of the fight this winter; unfortunately for me I am leaving England at the end of August for a foreign business tour, and shall not be back again in this country until about April, when, if all things go well, the end for which we have fought so hard and so long will be attained, or at any rate nearly so. I should like in conclusion to thank most sincerely the writers of the many letters I have received, expressing their good wishes towards "Face Value"—these communications have been most stimulating and encouraging; and I can assure them all that the "Face Value" Committee is going forward and will not relax until the goal is reached. I would once more, even at the risk of repetition, urge chemists to do all they can for themselves and not leave the whole work to be done by others. I am hoping in my business tour round the world to get a good deal of valuable information concerning this subject in other countries, and to place same at the disposal of the Propaganda "Face Value" Committee on my return. I would continue to urge every member of the craft to join the P.A.T.A. (only 7s. 6d. per annum), which is pledged and doing everything in its power to bring about "Face Value" with an adequate profit.—Faithfully yours,

34 Hanover Street, Liverpool.

W. H. SAUNDERS.

### The Scottish Pharmaceutical Federation.

SIR.—Your correspondent, "Federationist" (*C. & D.*, August 2, p. 71), is, I think, rather too hasty in assuming that the Scottish Federation should have given some strong lead in this much vexed question, the "Unjust By-law." I question very much if Mr. Jack, the Chairman of the N.B. Branch Executive, had the full facts put before him. I myself have heard several versions, and all different one from another. With the information at his disposal, Mr. Jack, I think, acted wisely in not committing the Federation to any declaration. I understand the Scottish Federation is growing, but cannot yet speak with full authority for the chemists in Scotland; but I sincerely hope that day is not far distant. The future holds plenty of work for the Federation. Let every Scottish pharmacist join now and show the officers of the Federation that they have the support and sympathy of the trade with them, and they, in turn, will work in greater earnest, for the day is drawing near when all must work as one. The by-law bargain is bad, but the manner in which the present Council is attempting to carry it through words of mine cannot describe. Does the Council know the facts, or are the facts only known to the President and the Secretary? I am a member of the Pharmaceutical Society, but evidently I cannot be trusted with private information. How, then, can they expect me to trust them in future in making laws which affect my business? The majority of the Council threaten to resign. Why threaten? If in Scotland we cannot get complete pharmaceutical home rule, the next best thing is the Scottish Federation. So come in. "There's blood in the moon!" I sometimes wonder if it should not be spelt "buy-law." If the by-law is passed, one thing we must get published, and that is the names and addresses of the persons so admitted.—Yours truly,

YOUNG SCOTT. (243/35)

### Railway Delays.

SIR.—Will you allow me to open a discussion in your columns as to how best to stop the present railway administration from humbugging traders? I could give countless instances of irritating actions experienced at their hands. On Monday we handed a small case of disinfectants to the L. & N.W.R. carman for Barnet. On the following Saturday at eleven o'clock another L. & N.W.R. carman brought it back, saying the other man ought not to have collected it: a G.N. and G.C. man must pick it up. Thus the goods for an urgent order are back again at our place. The present methods of the railways, both as to charges and costs, are outrageous. We all know to our cost there has been a war on, and a consequent big dislocation of rolling stock, but of what is available the most dilatory and upside-down use is being made. Most firms are getting their own men demobilised,



and are anxious to employ more, and yet we are hampered in every direction. The most irritating part of the above incident is that the carman would have taken it back if we agreed to pay passenger-train charge of  $1\frac{1}{2}d.$  per lb., and yet in the same breath we were told it had been handed to the wrong company.—Yours truly,

DISGUSTED. (234/53.)

#### Dispensing Charges.

SIR,—In Mr. C. T. Allen's paper on dispensing prices at the British Pharmaceutical Conference (*C. & D.*, July 26, p. 98), the prices for pill-making appear to have surprised the members present. This in itself is a further surprise, as I thought it was generally recognised that there is a dead loss on dispensing pills to prescriptions, but as these are in a minority compared to mixtures, the pharmacist has to take the rough with the smooth and allow one to balance the other. The difficulty is that the public is used to buying machine-made pills at a low rate, such as pil. rhei. co. at  $2\frac{1}{2}d.$  a dozen, and in pre-war days pil. ferri at the ridiculous price of  $4\frac{1}{2}d.$  a gross tin; therefore they cannot or will not understand the difference in charge necessitated by pills made to order. Furthermore, a customer may present a prescription for a dozen pil. coloc. c. hyos. when in most instances the pharmacist supplies ready-made coated ones in a few moments and charges  $6d.$ ; therefore when the next time he brings a prescription for pills containing camphor or some other troublesome ingredient his lay mind cannot understand the difference in time taken to fill the order and price charged. Even the Insurance Tariff recognises a higher fee for pills and ointments prepared extemporaneously, and it would possibly help to solve the difficulty if there were a scale of dispensing fees based on Insurance lines, whilst charging the drugs at retail prices. Another serious cause of loss is the necessity of buying  $\frac{1}{2}$ -lb. or 1-lb. bottles of proprietary medicines to fill a prescription containing one or two drachms of the ingredient. At one pharmacy where I was employed as an assistant we had a large number of prescriptions from a local medical man who was such an offender in this respect, always ordering some new proprietary and never re-ordering the same one, that in self-defence we were compelled at last to charge the cost of the whole original package in addition to the usual price. If the customer commented on the cost we explained diplomatically the reason, and that any repeat would be at a much lower rate, or that he could have the original bottle if he liked—not very professional, perhaps, but as our stock of useless proprietaries already ran into something like two or three hundred bottles, costing from  $4s.$   $6d.$  upwards, and never required again, we were forced into it against our will. The whole of this question of prices for dispensing is most serious to pharmacists at the present time, and it is to be hoped that in the coming winter session it will be thoroughly thrashed out at the meetings of the local associations, who could each form their own resolutions and then pass them on to neighbouring associations for comparison and discussion.—Yours faithfully,

L. S. D. MACBIEN. (235/8.)

#### The Unjust By-law.

SIR,—The die has been cast, the voting has sanctioned the dilution of the Qualification. The ordinary members know about 150 are to come in as fourteen-guinea ready-made chemists, but have no knowledge of the recognised institutions, etc., and once again have to trust the Privy Council to treat us honourably. I do hope the Society will exercise its just right and see that these aspirants by the back or side door do give some further evidence of skill, etc., than the Society of Apothecaries demand. I wonder what will be the wording on their certificate. It cannot be synonymous with ours; it cannot be signed by examiners who have never examined them, or else it will evince the same remark as was passed by the judge in the Army clothing fraud. I consider the meeting was very much hurried, and I feel sure that the battle was fought and won on the side issue and not on the main point owing to threatened resignations. I speak as an ordinary member as a supporter of the Society (except on this qualification issue). I am not pledged to any other

section, but attended solely to be convinced by the weight of evidence. Whatever I have written or said or wished to say to-day (which privilege was denied me) on this momentous question is solely unbiassed, and with a desire to defend our qualification and birthright—which has been encroached on too much already by companies and other unqualified traders—from all intruders. Lastly, I do hope that these lucky individuals with the cheap qualification will not be admitted to the membership of the Society—the Society can refuse membership to anyone they consider ineligible. What a pity we have no assistant's qualification, for that would have met the case and given these aspirants a chance to go on further to a full qualification. I have every confidence in the old and tried members of the Council, but I have no confidence in the Privy Council when dealing with pharmaceutical matters.

West Hampstead.

ALBAN ATKIN, M.P.S.

SIR,—Between the time of writing and the publication of the next issue of the *C. & D.* the second general meeting will have taken place, and we shall probably know the decision. At the moment it looks as if the by-law will be passed after all. But I cannot help drawing attention to the spectacle of the Deputy-Registrar solemnly informing the Willesden Magistrate (*C. & D.*, August 2, p. 33) that "membership of the Pharmaceutical Society is only given after a stiff examination, and is certainly assumed to be an honourable title." Surely this must strike one as really humorous, if it were not for the seriousness of the matter, and if the cross-examiner had had a copy of the Council's circular, issued the same week, endeavouring to prove that their own qualifying examination is not really necessary at all, we might have read some interesting evidence. As for the honourable title, well, I had always thought that it was so, but when I look back on the uses which the Council have made of it to bolster up their tottering finances, first of all reduction of qualification from Major to Minor men, then advancement of fee to ten guineas, and now admission of Tom, Dick, and Harry without examination, I am gradually being forced to the conclusion that we shall do well to think less of "honour" and more of business. After all, the man in the street cannot tell you the difference between a pharmaceutical chemist, a pharmacist, a drug-store, or a cash chemist, neither does he care, so long as he can purchase what he requires at the lowest price.

Yours faithfully,

ONORABILIS. (241/32.)

SIR,—It is always well to try to read between the lines and to find the true inwardness of things. Mr. Matthews helps us in this when he says that one thing behind the Privy Council in their encirclement of the "Square" is the need for 150 more qualified chemists to run the newly formed Ministry of Health. But, of course, the plain fact is that there is no shortage whatever of qualified pharmacists. On the contrary, there are already far too many, and the cry for more is absurd. And how does one know that? From the all too palpable fact that nine out of every ten pharmacists spend a tenth part of their time at pharmacy, and the remaining nine-tenths in work altogether unrelated to pharmacy. Our qualifications are mostly wasted, for we require no training in chemistry, physics, botany, and so forth, we require to attend no colleges of pharmacy or to pass scientific examinations in order to undertake the selling of soap, tooth-brushes, sponges, infants' foods, etc., which occupies so high a proportion of each working day. Sooner or later the logic of this matter will have to be faced by the Privy Council (or Parliament), as well as by the ranks of pharmacy and by our conservative Council. Then why not now? The right solution of our difficulties is not the dilution of the Register—which, by the logic of events, is bound to be repeated again and again—but is to be found in a radical re-organisation of our craft. At the present moment the dental profession is being rationalised so that finality of organisation may be reached. Why not pharmacy at the same time? What is wanted is to decree that medicine, dentistry, and pharmacy shall form the three branches of one profession; that each branch shall have all the privileges even if it suffers the disabilities of being a



profession; that pharmacists, like the unregistered dentists who are being brought within the Register shall cease to advertise, and to that extent shall cease to be mere commercialists. It would thus come about that every pharmacist at present in business would be faced with an alternative—either to prosecute the calling of pharmacy pure and simple, and be linked in professional bonds with the doctor and the dental surgeon; or alternatively to cut out pharmacy from his activities, to carry on in an open shop the sale of scents, soaps, articles of grocery, tobacco, and so forth, and to be allowed all the privileges of the ordinary shopkeeper; but, of course, a pharmacist no longer—neither in name nor in reality. There should be no material loss or gain to any individual pharmacist; the one who loves trade would get it in increased abundance, and his neighbour, who yearns after the “higher” side, would have his cravings abundantly satisfied. Of ten pharmacists in a given area, A, B, C, and D would take over the professional activities of the whole, would keep pharmacies and not shops, and would not advertise but would themselves utterly monopolise certain activities of the ten, to be defined either by an Order in Council or by Act of Parliament. Similarly, the remaining six, E to J, would take over the “trade” previously carried out by A, B, C, and D. It ought not to be beyond the wit of our rulers to arrive at a thoroughly equitable exchange, and exchange is not robbery. Unless we are prepared to face our problems now, armed with courage and logic, and ready to look ahead and look comprehensively, we are inevitably doomed to a series of humiliations, to wasteful struggles, and to sure financial losses. Now is the time to decide whether pharmacy is to have a future or is to dwindle steadily in importance till it ceases to have attached to it any qualification at all.

Yours faithfully,

INFERENCE. (240/32.)

SIR.—Seeing that it is probable that many who have passed the Apothecaries' Hall examination are to be included on the list of pharmacists to practise as such, without further examination, cannot some kind of recognition, or even inclusion, be given to persons similarly situated as myself, each case to be taken on evidence as to training, experience, and qualification? Take my case, for instance. I served seven years' apprenticeship in the arts and mysteries of an apothecary, during which time I passed the Preliminary and attended night schools regularly, and afterwards technical schools for chemistry, pharmacy, botany, etc.; later I had a full six months' course for the Minor, at a recognised London college. I sat for the examination, passed the first day's practical, was called up for the second or theoretical portion, and, like many more, came down through a fit of nerves. I thought it unjust to expect one to go through the whole again for having failed in some minor detail, for after all the practical portion is really the essential portion. I determined to fight my way without again entering for the examination. I hold certificates of proficiency from a London college in all the subjects of the Minor. I also hold six first-class and three second-class prizes for analytical chemistry for contests open to students of all England. I can also produce evidence of sound business training. As I said before, why not take each case on its merits, both apothecaries' assistants and others, like myself, who have not been successful in securing the coveted Minor certificate, but who, nevertheless, can produce undeniable evidence of sound training?

Yours sincerely,

ONE OF THE CRAFT. (241/31.)

## Legal Queries.

E. W. (216/50).—We believe that the word “aspirin” is still a German trade-mark in Spain and other European countries.

Lignum (242/21).—MAGNETIC SNUFF, which the purchaser is recommended to buy if he has tic, toothache, or headache, is liable to medicine-stamp duty unless it is an entire drug. You do not state the composition.

B. S. (237/31).—A purchased from B half the stock and fixtures in two shops. The introduction was effected by C, a transfer agent, who was also asked to make the necessary valuation. The charge which C has made for the valuation is a commission of 5 per cent. on the first 100% and 2½ per cent. upon the remainder of the valuation of the whole of the stock and fixtures. A and B, on the other hand, contend that as only half the effects were transferred the charge referred to should be made in respect of half only, and that the commission upon the valuation of the other half should be 2½ per cent. on the first 100% and 1½ per cent. upon the remainder. [We are of opinion that the valuer could enforce his claim, since in order to carry the transaction through it was essential for him to value the whole of the stock and fixtures.]

## Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Bradford (232/3).—COMMERCIAL LIQUID SOAP.—Soft soap liquefied with methylated spirit would answer your requirements.

Beno (230/59).—RED CARBOY COLOUR.—The following is a permanent colour:

|                          |         |
|--------------------------|---------|
| Iodine ... ..            | 3 dr.   |
| Potassium iodide ... ..  | 3 dr.   |
| Hydrochloric acid ... .. | 10 oz.  |
| Distilled water ... ..   | 2 gals. |

Dissolve the iodine and iodide in 8 oz. of water and dilute with the rest, to which the acid has been added.

E. A. B. (231/67).—(1) COLZA OIL.—To disguise the odour of colza oil which a medical man is ordering for external application we agree with you that terpineol or lilacine would be useful. The commercial terpineol is a mixture of isomeric terpineols, and has a delightful smell of lilac. (2) APPRENTICES' WAGES.—It is difficult in the altered circumstances of the times to say what is a fair wage for an apprentice. Formerly, 5s., 7s. 6d., and 10s. were considered suitable weekly payments for three years, but probably these should now be doubled. As a matter of fact, the doubled rates are the statutory wages in Victoria, Australia, where the working week is fifty-one hours.

Granite (211/62).—HEADACHE-POWDER.—This consists of two separate powders, the blue paper containing hydrated ferrous oxide, while the white paper answers to the tests for antipyrin (m.p. 113°–140°, and easily soluble in water).

Leeds (187/26).—FISH-DYE used for curing and colouring herrings. This has some of the characteristics of flavine and also of chrysoidine. The last-named is a strong yellow dye. You do not tell us how the powder is used. It may be that annatto would answer the purpose, and be free from risk.

## Retrospect of Fifty Years Ago.

Reprinted from “The Chemist and Druggist,” Aug. 14, 1869.

### The Pharmaceutical Council Meeting.

A letter from the editor of “The Chemist and Druggist,” Mr. Brough, was read, requesting that a reporter might be permitted to attend the Council meetings for the purpose of publishing the proceedings of the Council in “The Chemist and Druggist.” Whereupon it was moved by Mr. Brady, seconded by Mr. Cartighe, “That, as the universally-expressed feeling of the anniversary meeting was in favour of the publicity of all the proceedings of the Council of the Society, it is expedient that the request of the editor of “The Chemist and Druggist” be complied with, but that it be a stipulation that any portion of the proceedings which the Council shall, by vote or otherwise, declare to be unsuited for publication, shall not be reported in detail.” The following, as an amendment, was moved by Mr. Ince, and seconded by Mr. Sandford: “That this Council cannot comply with Mr. Brough's request to be allowed to send a reporter to the Council meetings of the Pharmaceutical Society.” The amendment having been put, the following voted: *For*—Messrs. Bourdas, Evans, Haselden, Hills, Ince, Morson, Sandford, Stoddart, and Williams. *Against*—Messrs. Brady and Cartighe. The amendment was then put as a substantive motion and carried.



# Zepto Pencils.

TARTAR REMOVING

**W**ANTED more than ever—Consistently advertised in the best papers—Zepto displaces nothing, thus every sale is additional business. Put up in sale-compelling “hang-up and strut-backed satchels.”

Indeed, nothing pays you a higher return for the space occupied than popular “Zepto.”

**5<sup>1</sup>/<sub>3</sub>**  
DOZ

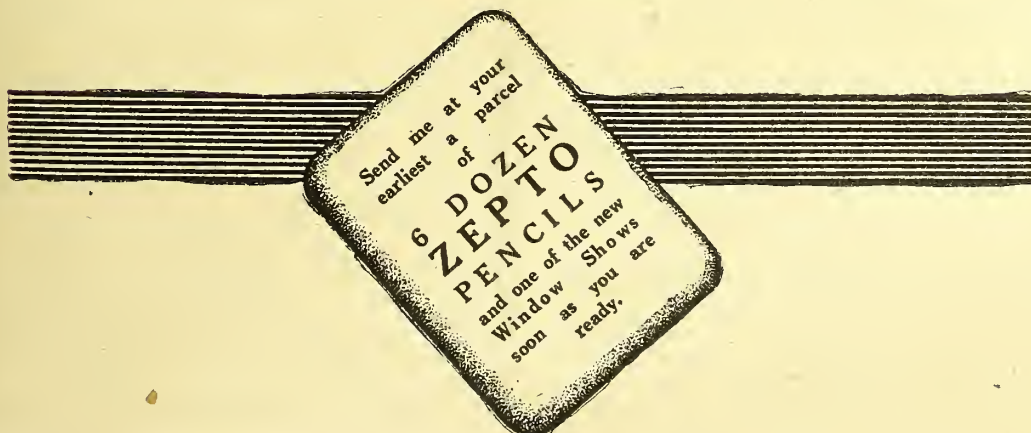
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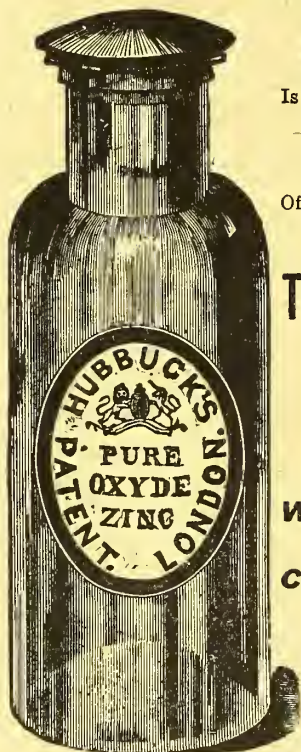
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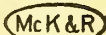
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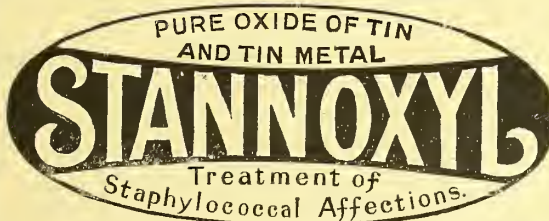
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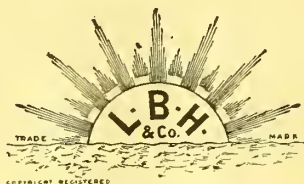
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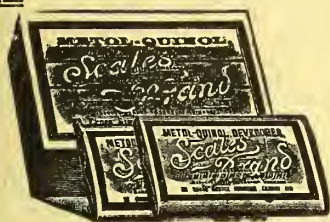
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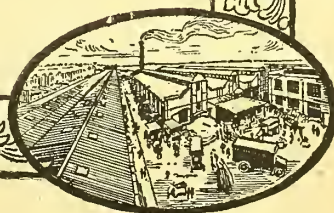
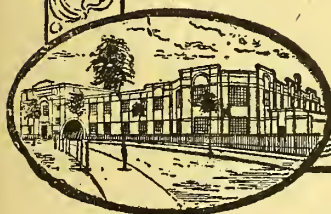
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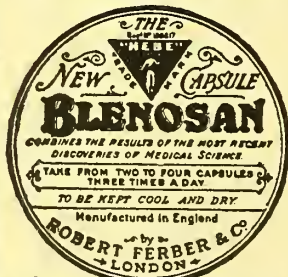
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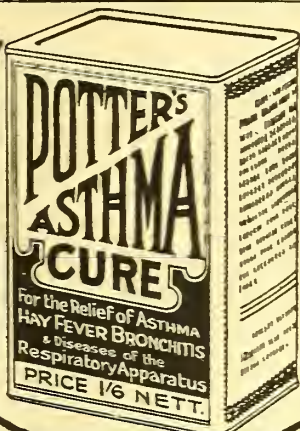
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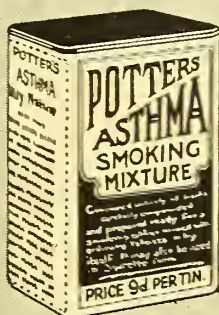
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**PERFECT PURITY.  
Highest Colour Value.**

**IMMEDIATE DELIVERY to Manu-  
facturers and Wholesale buyers only.**

**E. J. HAY & CO.**

*THE Caramel Specialists,*

**Essex Wharf, Limehouse, LONDON, E. 14,  
AND**

**104 Sackville Street, MANCHESTER.**

## VIKING CHEESE RENNET

### WHOLESALE.

24/- per gallon tin  
12/6 " 1/2 " "  
6/3 per quart jar  
3/- " pint "  
1/7 " 1/4 " "

### RETAIL.

29/- per gallon tin  
15/- " 1/2 " "  
7/6 per quart jar  
3/9 " pint "  
2/- " 1/4 " "

*These prices include containers and carriage paid.*

VIKING RENNET and ANNATTO must not be resold to Cheesemakers at more or less than the retail prices stated above.  
VIKING ESSENCE of RENNET JUNKET TABLETS, and JUNKET POWDER.

*Prices on Application.*

Sole Manufacturers—

**THE VIKING RENNET CO., LTD., 19 Clapton Square, London, E. 5.**

## VIKING ANNATTO

### WHOLESALE.

12/6 per gallon jar  
6/6 " 1/2 " "  
3/6 " quart "  
2/2 " pint "

### RETAIL.

15/6 per gallon jar  
8/- " 1/2 " "  
4/3 per quart jar  
2/6 " pint jar



## G. C. Starup's Danish Cheese RENNET EXTRACT

STARUP'S REAL DANISH CHEESE RENNET EXTRACT is guaranteed to be made from finest calf vells only, and does not contain Pepsin or other kind of substitute.

Chemists and Druggists, please ask for G. C. Starup's real Danish Rennet Extract, Annatto Cheese Colour and Butter Colour.

PRICES ON APPLICATION.

**G. C. Starup's Chemical Works, Copenhagen, K., Denmark.**



# HOOKER'S MALTED MILK

"A complete food." — *Lancet*.

**SELLS ENTIRELY ON MERIT.**

*There is no Higher Quality or Better Value*

**BRITISH MADE & BRITISH OWNED**

DEMAND RAPIDLY INCREASING.

**LARGE PROFITS TO SELLERS.**



PRICES AND TERMS FROM

**THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.**



## MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

TELEPHONES:  
Nitschill—Pollokshaws 14  
London—Avenue 5661  
(3 lines).

**PERRY & HOPE, Ltd.**

NITSHILL, near GLASGOW.

TELEGRAMS:  
"Perryope, Nitschill."  
"Perryope, Led, London."

London Office: 1 LEADENHALL STREET, E.C.3.

# ATKINSON & BARKER'S ROYAL INFANT'S PRESERVATIVE

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON, Ltd.  
13 Wesley St., Grosvenor St., C.-on-M., MANCHESTER.

**DOES  
NOT  
CONTAIN  
any  
SCHEDULED  
POISON.**

THE MOST ECONOMICAL INFANTS' FOOD.



ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

CHELTINE FOODS CO., CHELTENHAM.

## DIABETES

FLOUR, BREAD, BISCUITS, FOOD, RUSKS, COCOA, Etc.  
Also Foods for Anæmic, Dyspeptic, Invalid and Aged People  
and Infants. Highly recommended by Medical Profession.

INFANTS' FOODS packed under Chemists' "OWN NAMES."

Terms and all particulars on request.

ALL CHEMISTS  
SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.  
"ABDINE" is the most popular Health Drink. Superior to all Mineral  
Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.

Wholesale Prices on application. Sample Box 1/6.  
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

Why not stock  
**ENERGEN** ?  
**DIABETIC FOODS**

They are prescribed by the leading  
Specialists in Diabetes, and they  
carry a good profit to the Chemist.

INQUIRIES INVITED.

THERAPEUTIC FOODS CO.  
19/23 Roundwood Road, Willesden, N.W. 10.

## More Customers

The  
Beverage



of  
Health

Will call at your store if they know you  
stock Vi-Cocoa because this food beverage  
of the people is in great demand as a  
tonic restorative in cases of mental and  
physical overstrain.

Display Vi-Cocoa in your window—it  
will attract many who would otherwise  
pass you by. Write for trade terms  
to-day—they are particularly favourable.

**Vi-Cocoa**

The Watford Mfg. Co. Ltd.  
Delectaland — Watford.



**“ John Bull ”**



# MALT EXTRACT

**IS THE BEST!!!**

*Wholesale & Export Only.*

**PAINE & CO., LTD., ST. NEOTS, HUNTS.**

## THE DIGESTIVE FERMENTS Co.

DETROIT, U.S.A.

### BACTOPEPTONE

Acknowledged to be the best and most reliable Peptone for Bacteriological use.

DIASTASE  
PANCREATIN  
PEPSIN  
TRYPSIN

HÆMOGLOBIN  
OX GALL  
SODIUM CHOLATE  
,, GLYCOCHOLATE

ORGANO-THERAPEUTIC PRODUCTS  
OVARIAN, THYMUS & THYROID SUBSTANCES, &c.

Address inquiries, orders, &c., to  
MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

## A Safe &amp; Indispensable Family Remedy

**EUSALINE**

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

**QUALITIES :**

Cooling  
Refreshing  
Cleansing  
Sparkling  
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

**WHOLESALE TERMS.**

EUSALINE is Retailed at 2/- per bottle, Wholesale price, 18/- per dozen. Discount 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, and 1/6 per box. Wholesale price, 13/- per gross. Discount 15% plus bonus according to quantity ordered. Carriage Paid on £5 orders.

**GEORGE WALKER & SON, Ltd.**  
Reid Street, Bridgeton - GLASGOW.



ESTABLISHED 1860.



DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

## The FRENCH Natural Mineral Water.

**VICHY-CÉLESTINS**

AND THE OTHER STATE SPRINGS OF VICHY.



We beg to remind the Trade that the above are being regularly imported and we have ample supplies always on hand.

VICHY-CÉLESTINS and the other State Springs of Vichy Waters are being continually prescribed by the leading Physicians, and Traders would do well at all times to carry a stock.

THE VICHY WATERS ARE ON THE P.A.T.A. LIST, & SHOW RETAILERS A GOOD PROFIT

CAUTION.—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the SOLE AGENTS:

**INGRAM & ROYLE, LTD.,**

Bangor Wharf, 45 Belvedere Road, LONDON, S.E., and at  
LIVERPOOL and BRISTOL.





# WINOX Wine Food

is a high-class Pharmaceutical Wine, containing all the food elements of Meat, Malt and Unfermented Grape Juice.

Unsurpassable for Influenza; invaluable for Anæmia, Lassitude, Neuralgia, Nerve and kindred troubles.

Winox will stand any climate, and contains no harmful drugs.

Price 5/6 per bottle retail. Chemists who do not already stock Winox should apply for price to WINOX LTD., Richmond, Surrey.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants,  
Manufacturing Chemists

### HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

|   | P.A.T.A. | Protected<br>Retail Price. | Dozen<br>Net. |
|---|----------|----------------------------|---------------|
| * LOSALL'S SALT (well advertised), tins | 10d.     | 7/-                        |               |
| * " " " " " "                           | 1/7      | 13/6                       |               |
| * " " " " " bottles in cartons          | 2/-      | 18/-                       |               |

**\* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.**

### LOSALL'S COMPOUND SULPHUR SOAP.

|  |      |      |
|--|------|------|
| A valuable emollient medicated skin soap, especially suitable for use in Eczema. | Box. | Doz  |
| 3 Tablets in a box at 8d. each tablet.   | 2/-  | 18/- |

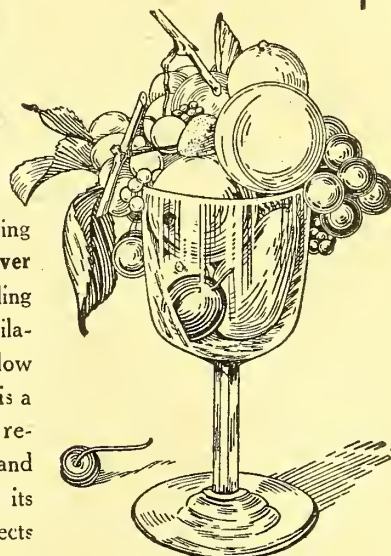
If you want to maintain or regain Perfect and Vigorous Health take

# FORT-REVIVER

The Great Non-Alcoholic Tonic Stimulant.

Free from Drugs  
and Alcohol

THE  
TONIC  
WITH A  
Doctor's  
Guarantee



LUSCIOUS, FRESH, AND BRITISH.

There is nothing like Fort-Reviver for giving a feeling of energy, exhilaration, and a glow of health. It is a most deliciously refreshing Tonic, and unrivalled for its recuperative effects

Made from the juices of choice fruits, highly concentrated.

The well-known author of "Diet and the Maximum Duration of Life," writes—

"The physician hesitates to prescribe medicated wines because of the danger, especially to nervous patients, of setting up the alcohol habit, or, what is worse, the craving for drugs, with which certain Tonics are 'fortified.' It is a pleasure, therefore, to recommend a tonic Liqueur like Fort-Reviver which is free from alcohol and contains no noxious medicament, and yet, whilst being palatable and invigorating as well as refreshing contains the most natural and beneficial of nerve restoratives."

Obtainable everywhere.

5/6 large size bottle. 3/9 smaller size bottle.

## H. & C. NEWMAN

London Office: 41-42 Upper Rathbone Place, W.1

# Liquid Paraffin

WE can give *immediate* delivery of *any* quantity of the purest, high viscosity Liquid Paraffin of any gravity from .860 to .890. This oil exceeds official requirements in many respects. It is water-white, odourless and tasteless, and retains its brilliancy even at low temperatures.

B.P.

*The following lines are of similar high quality.*

"SEMPROLIA." White and Yellow. A soft paraffin of superfine quality. Vastly superior to the average B. P. preparations.

PARAFFINUM MOLLE, B.P. White & Yellow.

PARAFFIN. DURUM, B.P.

EMULS. PETROLEI cum

HYPOPHOSPH. In bulk or packed.

*Samples and Prices Promptly Sent on Application.*



**THE WM. BROWNING CO., LTD.**

Albert Works, Camden Town, LONDON, N.W. 1

Telephone : HAMPSTEAD 4046

Telegrams : "SEMPROLIN, NORWEST, LONDON"

Genuine Russian

**LIQUID PARAFFIN**

All gravities, correct viscosities

**B.P.**

**1914**

"Jasmine Brand"

**ADEPS LANÆ**

**Lanoline**

Superfine  
Anhydr.  
and Hydrous

**Finest Qualities**

"Jasmine Brand"

**PETROLEUM JELLIES**

White and Yellow

**Competitive  
Prices**

"Jasmine Brand"

**WHITE OILS**

Chem. Pure, Water-white,  
Tasteless, Odourless

FOR MANUFACTURING PURPOSES

ALSO TRANSFORMER & INSULATING OILS.

**The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.**

**3 St. Helen's Place, LONDON, E.C.3.**

Actual Refiners and Manufacturers at their Works near London.



# SILVER CREST LANOLINE

(ANHYDROUS)

In Barrels, Kegs or Drums.

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*Actual Manufacturers and Refiners*

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**The HILLCREST OIL CO.  
(BRADFORD) Ltd.**

CLAYTON . . . MANCHESTER

# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.  
LIVERPOOL . . . MANCHESTER

## Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow  
and golden, for pharmaceutical  
purposes.

MANUFACTURED SOLELY BY

**The Dee Oil Company, Ltd.**

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller  
packages according to requirements.

Inquiries are solicited for this article  
of **BRITISH MANUFACTURE**, and  
buyers may rely that for quality and  
price it will meet any competition

Other Grades

**Petroleum Jellies, White Bases, &c.**

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

Phone: 186 Bootle.

Wires: "Cestrian Liverpool."

## All Petroleum Products

TECHNICAL AND MEDICINAL  
WHITE OILS

PETROLEUM JELLIES,  
WHITE, YELLOW, DARK

PARAFFIN WAXES

NEUTRAL OILS,  
DEBLOOMED AND UNDEBLOOMED

PALE & RED LUBRICATING OILS

CYLINDER OILS,  
STEAM REFINED, FILTERED

WHOLESALE ONLY

**W. J. SMITH**

*Sole European Representative*

The JAMES B. BERRY'S SONS CO. Inc.

110 CANNON STREET, LONDON, E.C. 4



# ADEPS LANÆ

## B.P.

**"ULTRA VI" Brand.**  
**The Latest & Best.**

— *Inquiries Invited.* —

THE  
**C.V.O. Chemical Works,**  
LIMITED,  
Petersham Road,  
**RICHMOND (SURREY).**

## P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

August 9, 1919.

The following revised prices are now in force :

| Advertised Price. | Minimum Retail Price. | Minimum Wholesale Price. |
|-------------------|-----------------------|--------------------------|
|-------------------|-----------------------|--------------------------|

### Allen & Hanburys' Preparations :

|                                    |     |           |
|------------------------------------|-----|-----------|
| 2/3 Allen & Hanburys' "Cafe Viège" | 2/3 | 20/3 doz. |
| 4/3 Ditto                          | 4/3 | 38/3 „    |

### Vichy-Celestins, Grand Grille Hôpital

|            |            |               |
|------------|------------|---------------|
| Large      | 17/9 doz.  | 15/- doz.     |
|            | 70/- case. | 60/- case 50  |
| „ „ Small  | 12/6 doz.  | 11/- doz.     |
|            | 50/- case. | 43/- case 50  |
| „ „ Splits | 9/- doz.   | 7/6 doz.      |
|            | 70/- case. | 60/- case 100 |

ALL AT FACE VALUE.

# "Lanzone" Lanolin

The Odourless Adeps Lanæ, B.P. Manufactured by  
THE LONDON PHARMACEUTICAL REFINERS, LIMITED,  
Martin's Yard, Endwell Road - LONDON, S.E. 4.

*In a leading article in the "Medical Press" of June 26, 1918, occurs the following:—*  
"I hope that the same effort will be made to abolish Hun drugs as to get rid of Hun dyes. In one direction I am glad to find that this is being seriously attempted. One of the most important bases for ointments is lanoline. Now the English lanoline which is made by the London Pharmaceutical Refiners, Limited, of Brockley, has the merit of being superior to the old German lanoline. The B.P. allowance of fatty acids is 7, whereas this new English lanoline shows only 27. The new preparation is quite odourless, and acid fats do not develop in it by keeping. These are great merits, and show the extreme care with which the refining process has been carried out by the British refiners."

*Samples and Quotations from the Selling Agents:*  
THE PRODUCE BROKERS' COMPANY, LIMITED, 24 St. Mary Axe, LONDON, E.C. 3.

# ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED

IS MANUFACTURED BY

**THE PHARMACEUTICAL LANOLINE CO.**

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

*If you are not  
handling these lines you  
are losing Big money!*

### Good Profits and Quick Sales

are what you want—and in a line that entails no trouble, but represents the highest standards of Quality, Efficiency and Economy. The exceptional merits of Hertz & Co.'s Specialties should be carefully considered by every Pharmaceutical Chemist and Perfumer who is anxious to enhance sales and to record a permanently increasing turnover.

**It will pay YOU to  
get into touch with  
our Sales Dept.**

**T**HERE never was a more favourable opportunity to earn Big Money than is now afforded by selling Hertz & Co.'s manufactures. Every year the demand among Chemists, Druggists, and Perfumers for Hertz & Co.'s

**White, Half-white, & Pale Odourless Oils**

**Russian Liquid Paraffin, B.P.**

**Paraffin Waxes, all M.P.**

**Perfume Oils for Brilliantine**

**P****etroleum Jelly, White, Yellow, Amber,**  
B.P. and Technical

**JENSEN'S Norwegian Cod Liver Oil**

**HALIFLOR Natural Floral Essences**

**HALIFLOR Concentrated One-drop Perfumes**

**HALIFLOR Essential Oils**

**Florozone Inhaler**

**Florozone Disinfectant Sprayer**

is growing at an unprecedented rate. For forty years we have been associated with all that is BEST in merchandise specially suitable for the Chemist and Druggist, during which time we have established a reputation for **quality with good selling prices** that is unequalled throughout the world.

**Send NOW for Quotations  
and Samples.**

**Hertz & Co.**

All-British Firm.

Established 1871.

**9 Mincing Lane, London, E.C. 3.  
Wholesale Chemists, Druggists & Perfumers.**



1/2



## MAKE YOUR OLD HAT A NEW ONE.

In bottles, 1/2 each, in separate neat cartons. These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

SUITABLE BRUSH SUPPLIED.

NO GLOSS.  
NO POLISH.

ON THE P.A.T.A.

*Write for Terms, Patterns, also  
Leaflet of Testimonials.*

**Luton** HAT  
DYE

**WHITAKER & CO.,**

Colour Works, KENDAL.

London Office and Showrooms; 61 and 62 Craven House, Kingsway, W.C. 2.

*GLOSSY SERIES supplied if desired.  
Special Non-inflammable Series for Export.*

Telephone: Gerrard 1774.

ANOTHER HOME ARTICLE OF GREAT UTILITY



FOR HOME DYEING.

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

*A standard range of 24 Colours; other shades supplied. In PACKETS, 2d., 3d., and 6d. each, and in Bulk.*

Pattern Book. Write for Terms and Patterns.

**WHITAKER'S**

**Household Coloured Varnishes**

(VARNISH STAINS)

For Floors, Furniture, and Woodwork generally.  
Patterns supplied.

**BLACK LACQUER FOR GRATES, &c.**

**"JUGGLER" BLACK  
FOR LEATHER.**

For Dyeing Tan Boots, Belts, Harness, Bags, Portmanteaux, and all leather goods a rich Black. Articles dyed with this may be worn and polished ten minutes after application (non-inflammable).

**WHITAKER'S GOLD PAINT**

For all Ornamental and Artistic purposes.

**WHITAKER & CO.**

Colour Works, KENDAL, England.

London Office and Showrooms: 61 and 62  
Craven House, Kingsway, W.C.2. Telep.: Gerrard 1774

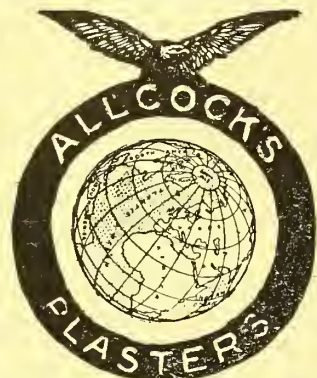
Telegraphic Address: "Dullette Kendal."  
Telephone: No. 214 Kendal.

ESTABLISHED 1878.

ESTABLISHED 1847.

**Allcock's  
PLASTERS**

A REMEDY OF 70 YEARS' STANDING.

**Allcock's Plasters  
Allcock's Corn and  
Bunion Plasters  
Brandreth's Pills***The  
Three  
Reliables.**Prices and Terms  
on  
application to***ALLCOCK -  
MANUFACTURING  
COMPANY -****22, Hamilton Sq.,  
Birkenhead,  
England.***"Sold all round the World."***ARRIVAL OF LIMITED  
STOCK OF**

After being for long practically without stocks, we have now just received a limited re-starting lot, which will be equitably and proportionately distributed.

**PRICES.**

| Retail.           | Trade.              |
|-------------------|---------------------|
| <b>9d.</b> ... .. | <b>7/7</b> per doz. |
| <b>1/3</b> ... .. | <b>12/8</b> " "     |
| <b>2/6</b> ... .. | <b>25/3</b> " "     |

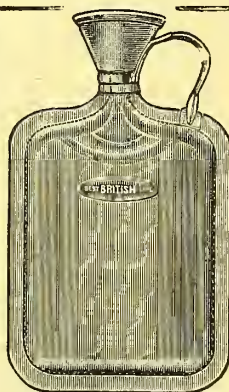
Less 5% for payment at 1 month.  
£3 and up. carr. paid.

The Trade may therefore now order, through their Wholesalers or direct from

**J. E. GARRATT, 96 Southwark Street,  
LONDON, S.E. 1**

**SURGICAL RUBBER GOODS****SYRINGES.****ENEMAS.****BREAST RELIEVERS.****WHIRLING SPRAYS.****ICE BAGS.****DOUCHE TUBING.****VULCANITE.****DOUCHE FITTINGS.****SPRAY MOUNTS.****ETC.****HIGGIN LTD.****265 Deansgate, MANCHESTER.**

Tel.: 1283 Central.

**BEST  
BRITISH MAKE.**

6×10 7×10 8×10 8×12 10×12  
 White **3/11 4/2 4/6 5/- 6/-**  
 Red **4/1 4/6 4/9 5/4 6/4**  
*(Special Discount for Quantities.)*

All kinds of Surgical  
RUBBER GOODS.

**JAMES TOMPKINS Ltd.**

(THE RUBBER HOUSE),  
386 City Road, London, E.C. 1.  
AN ALL-BRITISH FIRM.  
Estd. 42 Years. Phone: City 7640.

The Hygienic Economy of

**"TOINOCO" PAPER HANDKERCHIEFS**

is Positive and Unchallenged.

**"PAPIERCREPON" 50 for 1/3 "SILKY-FIBRE" 50 for 2/-**FACE PRICE IS  
MINIMUM RETAIL.*Stocked by the Principal Sundry Houses.*FACE PRICE IS  
MINIMUM RETAIL.**BESORBON**

(Dr. Hill's Formula).

MEDICINAL SNUFF. ABSOLUTELY THE FINEST REMEDY FOR CATARRH AND COLD IN THE HEAD.

**RICHARD DICKESON & COMPANY**

(Incorporated with REYNOLDS SONS & CO., LIMITED)  
57/59 CHARTERHOUSE STREET, LONDON, E.C. 1



*The Brand "Ingram's London" is a Guarantee of Quality.*

## INGRAM'S PATENT BAND TEAT & VALVE

*"Agrippa"*  
REGD. TRADE MARK

(BRITISH MADE BY BRITISH LABOUR).

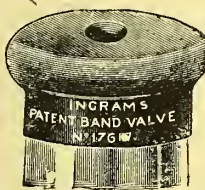
The Patent Band Teat and Valve "AGRIPPA" are perfectly Hygienic. The Rubber has been specially prepared so as to withstand actual boiling, and does not deteriorate by frequent repetition of this boiling process.

The chief feature of the Ingram's Patent Band Teat "Agrippa" is the extraordinary gripping power caused by the interior band of rubber which holds on to the bottle, absolutely refusing to slip off. Therefore there can be no waste of the contents of the bottle whatever. The Patent Band Valve regulates to perfection the flowing milk food.

The "Agrippa" Patent Teat possesses a little flat cushion at the base, which gives comfort to the Child when taking its food, and is the nearest copy to nature, as far as feeding facilities are concerned.

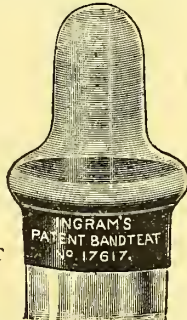
Ingram's Patent Band Teat "Agrippa" is the only Perfect Teat extant and will fit any make of Boat Shape Feeding Bottle.

Obtainable from all  
Wholesale Houses.



Black or  
Transparent  
Rubber.

WILL NOT  
SLIP OFF.

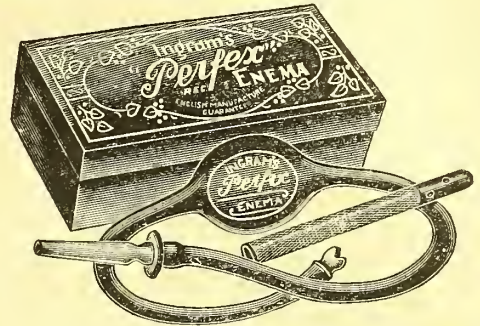


Ingram's Patent Band Teat and Valve "AGRIPPA" (Regd. Trade Mark) are protected by the P.A.T.A., and are supplied on the understanding that they will not be re-sold to Chemists and Retail Trade at lower prices than quoted below.

| GOODS.  | Minimum Wholesale<br>Prices to Chemists.                                     | Minimum<br>Retail Prices.                            |
|---|--|--|
| <b>TEAT</b><br>(Patent No. 17617)<br>Black or Transparent.  | 2 6 per Doz. Net<br>27/6 per Grs. Net<br>(for orders of 3 Doz.<br>and over). | <b>3<sup>1</sup>/<sub>2</sub> d.</b><br><b>EACH.</b> |
| <b>VALVE</b><br>(Patent No. 17617)<br>Black or Transparent. | 2/- per Doz. Net<br>22/- per Grs. Net<br>(for orders of 3 Doz.<br>and over). | <b>3 d.</b><br><b>EACH.</b>                          |

## INGRAM'S Seamless Enemas.

HIGH-CLASS ENEMAS. GUARANTEED NOT TO SPLIT.

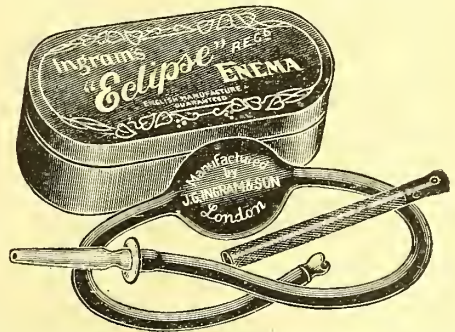


A RELIABLE QUALITY SEAMLESS ENEMA.

Ordinary Bulb. Perfectly Safe. Perfectly Hygienic. Fitted complete with Bone Rectum and Gum Vagina Pipe and Leather Shield, and packed in an attractive Card Box. Min. P.A.T.A. Wholesale Price **28/8** per dozen. Min. P.A.T.A. Retail Price **3/3** each.

## INGRAM'S

The "ECLIPSE" Enema (Regd.)



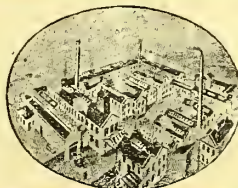
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"Zebina," "Atalanta," "Utilema," "Zenith,"  
and the "PERFEX" Enema.

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THE LONDON INDIA  
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| Circular Shape, Check Sheeting, bound ... ..  | per doz., size 1, 7/0; size 2, 8/6; size 3, 10/6; size 4, 12/6 |
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| Dolly Varden Shape, Rubber, assorted, three colours ... ..  | 19/0   |
| Various Shapes, Finest Rubber, assorted, four colours, trimmed with rosettes, frills, etc. ... .. | 25/0   |
| Tam O'Shanter, Superfine Rubber and Trimmings, three colours ... ..                               | 33/0   |
| Bags for Bathing Costumes, Waterproof Sheeting, assorted colours ... ..                           | 36/0   |
| <b>WATER WINGS</b> (Safe Floats) assorted colours ... ..  | 17/0   |

## SPONGE BAGS

|   | Sizes    | 1    | 2    | 3    | 4    | 5    | 6    |
|---|----------|------|------|------|------|------|------|
| Check Sheeting, fancy binding ... ..                              | per doz. | 6/0  | 7/6  | 9/0  | 11/0 | 13/0 | 16/0 |
| .. super best quality ... ..                                      | "        | 8/0  | 9/0  | 10/6 | 13/0 | 15/0 | 18/6 |
| Fancy patterns, assorted colours ... ..                           | "        | 10/6 | 12/6 | 15/0 | 18/0 | 21/0 | 25/0 |
| The "Climax," brown inside and out ... ..                         | "        | 10/6 | 12/6 | 15/0 | 18/0 | 21/0 | 25/0 |
| Red Rubber Sponge, special line, 4½ in. by 3 in. by 1¾ in. ... .. | per doz. |      |      |      |      | 9/0  |      |
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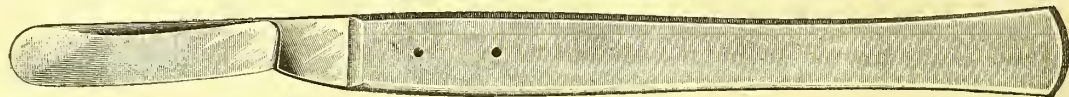
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a sudden call were made for Pneumonia  
Jackets, would you be ready to supply?  
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*Manufactured by*

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for their inability to supply the immense demand for these well-known Guaranteed Unleakable Hot Water Bottles. Their Works and Staff were engaged on urgent Government Contracts to which all their energies were devoted.

They believe, however, that the arrangements now made will enable them to overtake all demands from the Trade.

To make certain of securing YOUR supply of "Ronoleke" Hot Water Bottles, it is advisable to order from your wholesale house NOW—rather than later. They will supply you with attractive showcards and other advertising material.

### Prices of the "Ronoleke" Hot Water Bottles

*Protected on the P.A.T.A. List.*

| Size      | Minimum Wholesale<br>Prices to Retailers |     |      | Minimum Retail<br>Prices to Public |     |       |
|-----------|--|-----|------|------------------------------------|-----|-------|
| 6" x 8"   | ...                                      | ... | 4/6  | ...                                | ... | 6/9   |
| 6" x 10"  | ...                                      | ... | 4/10 | ...                                | ... | 7/3   |
| 7" x 10"  | ...                                      | ... | 5/-  | ...                                | ... | 7/6   |
| 6" x 12"  | ...                                      | ... | 5/2  | ...                                | ... | 7/9   |
| 8" x 10"  | ...                                      | ... | 5/6  | ...                                | ... | 8/3   |
| 7" x 12"  | ...                                      | ... | 5/8  | ...                                | ... | 8/6   |
| 6" x 14"  | ...                                      | ... | 5/8  | ...                                | ... | 8/6   |
| 8" x 12"  | ...                                      | ... | 6/2  | ...                                | ... | 9/3   |
| 9" x 12"  | ...                                      | ... | 6/7  | ...                                | ... | 9/11  |
| 8" x 14"  | ...                                      | ... | 6/8  | ...                                | ... | 10/-  |
| 10" x 12" | ...                                      | ... | 7/-  | ...                                | ... | 10/6  |
| 10" x 14" | ...                                      | ... | 7/11 | ...                                | ... | 11/11 |
| 10" x 16" | ...                                      | ... | 8/6  | ...                                | ... | 12/9  |
| 12" x 16" | ...                                      | ... | 9/2  | ...                                | ... | 13/9  |

*You can get your supply of "Ronoleke" Hot Water Bottles from any Wholesale Druggists' Sundriesman.*

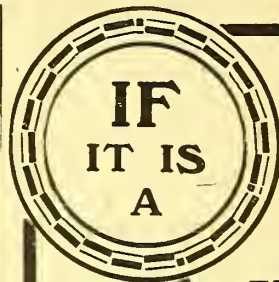


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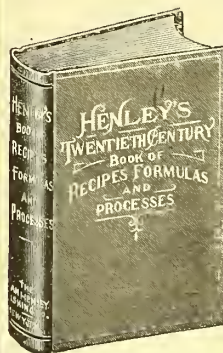
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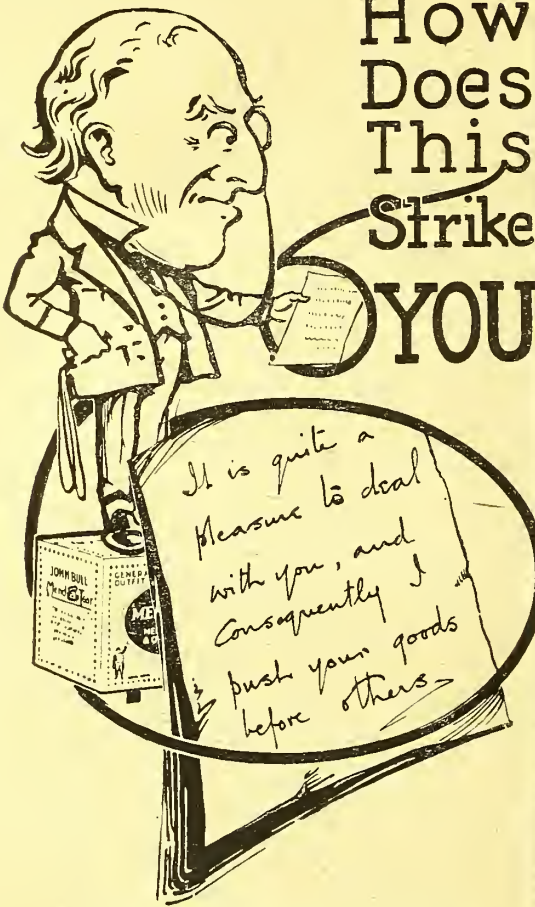
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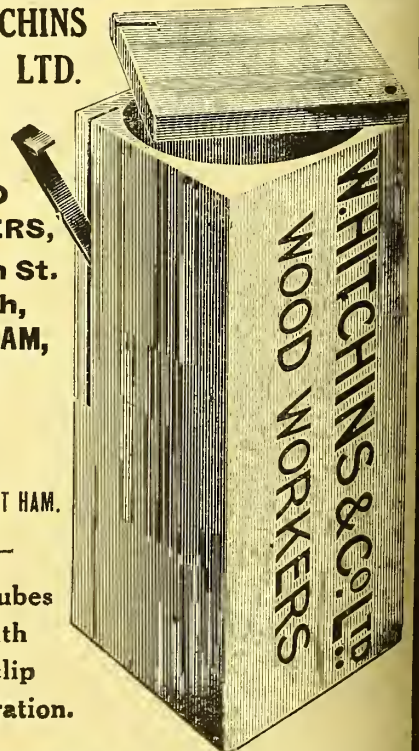
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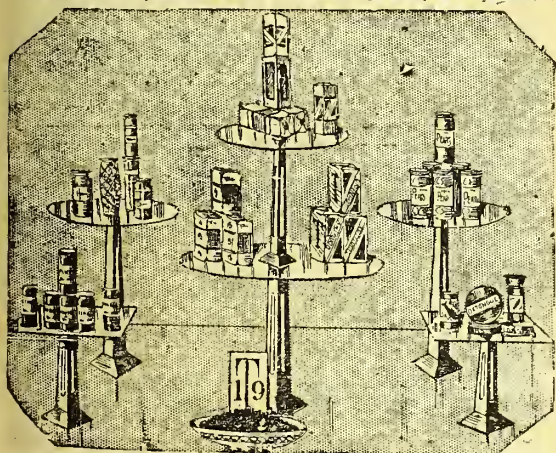


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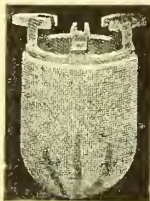
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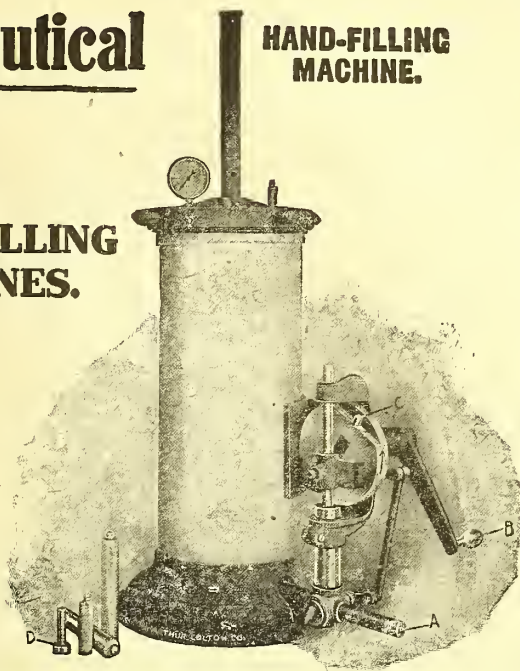
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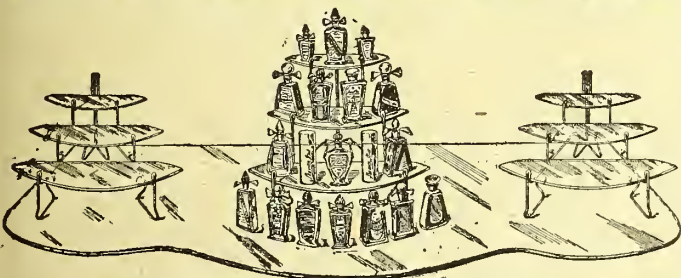
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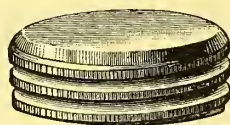
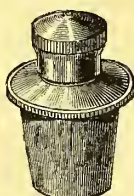
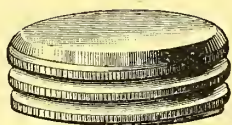
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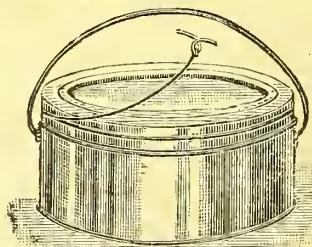
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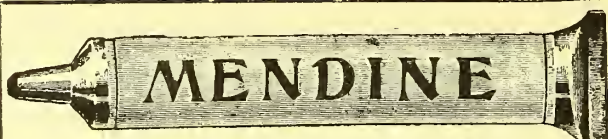
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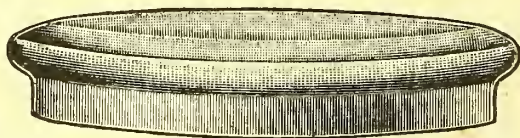
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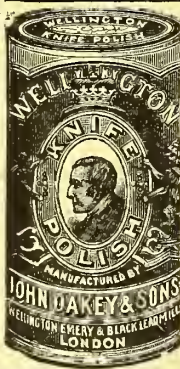
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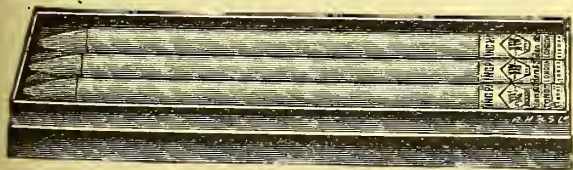
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42 CANNON ST.  
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AUGUST 9, 1919

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CARPENTERS' SHOP ... .. 60 feet by 20 feet  
SMALL CARPENTERS' SHOP ... 35 feet by 15 feet

POWER is derived from a 15 H.P. WATER TURBINE (by Gunther), with Shafting and Pulleys, etc., property of the Lessor, and are comprised in the said Lease, together with Carpenter's Bench, a Morticing Machine (by Ransomes), a Weighing Machine and Weighbridge (by A. W. Smith & Co.), and other loose Tools and Effects, particulars whereof are set forth in the said Lease.

The additional MACHINERY AND TOOLS consist of a NEW 18 B.H.P. STANDARD DUDRIDGE OIL ENGINE, with Exhaust Pipes, Foundation Bolts, and Spare Parts.

This Engine is *perfectly new*, and has never been completely fixed.

16 H.P. PETROL ENGINE, 4 Cylinders (by Hamilton).

2 Small ROLLING MACHINES on Stands.

WOOD-SLICING MACHINE (by S. Pickle & Sons), Power-driven, length of cut 40 inches.

2 GUILLOTINES, hand or foot driven.

AUTOMATIC KNIFE-GRINDING MACHINE (not used), by A.-B. Gerh. Arehus, M.V. Stockholm.

VENEER-PEELING MACHINE (by A.-B. Gerh. Arehus, M.V. Stockholm), with double drawing gear, with six extra Knives and six Lancet-holders. (Absolutely new and unused.) Width of cut 650 x 150 m.m. Thickness 2.5 to 1.5 m.m.

VENEER-CHOPPING MACHINE. Maximum width 300 m.m., cut not higher than 150 m.m. New, and never used.

PUNCHING MACHINE adaptable for lids, tops, and bottoms of Pill-boxes (quite new), together with large quantities of Steel Punches, round and oval, various sizes; and

SUNDRY Shafting, Split Pulleys, Couplings, Belting, Tables, Benches, Circular Saws, Stoves, Piping, Presses, and other loose Tools and Effects.

For further particulars apply to Messrs. Romer & Slan, Solicitors, 4 Copthall Chambers, London, E.C. 2; Stanley Banning, F.S.A.A., 20 Copthall Avenue, London, E.C. 2; or Messrs. Robert & Rogers Jones, Auctioneers and Valuers, Tyn-y-fynwent, Llanrwst, North Wales.

## AGENCIES.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

## GOOD AGENCIES WANTED

ALSO REPRESENTATION  
FOR WHOLESALE HOUSES

for Wholesale and Retail Distribution throughout  
South Africa.

Mr. J. H. NEEDHAM of Port Elizabeth, South Africa, will be in London during August and September, and is prepared to consider sole agency propositions and representation for South Africa. Mr. Needham possesses several shops and special facilities for mail order distribution throughout the country. Sound lines only will be considered. Apply by letter to—

241/40, c/o "Chemist and Druggist," 42 Cannon St., E.C. 4.

**INDIA.**—Bombay Surgical Co., Charni Road, Bombay, wish to bring to the notice of all Surgical and Veterinary Instrument Makers and Wholesale Chemists, Druggists, and Perfumers that their catalogues and samples if sent with a view to business will be appreciated. Agency proposals invited.

**SOUTH WALES AGENCIES.**—Advertisers now open to accept sole distributive Agencies for advertised and proprietary lines for South Wales and Monmouthshire. "Business" (10/17), Office of this Paper.



**DAWES & CO.,** Drug Manufacturers' Agents, with first-class Travellers with good sound connections, require additional well-advertised lines (not buying); manufacturers will do well to give us a trial, as we can put their goods upon the best markets in British Isles; satisfaction guaranteed. 176 Handsworth New Road, Birmingham.

**ENGLISHMAN**, resident in France, speaks French fluently, good experience all departments Drug trade, is open to represent British firm for sale of their goods in that country. Reply 2/17, Office of this Paper.

**EXPORT TRADE.**—Mr. A. W. V. Kamps, National Hotel, Russell Square, W.C. 2, is desirous of taking up Agencies for Central Europe for high-class British manufacturing firms.

**GENTLEMAN** with own Travellers calling upon Chemists throughout the British Isles requires Agency; only first-class manufacturing firms who want their goods on the best markets reply to E. Goodhy, 50 Barker Street, Road End, Oldbury, near Birmingham.

**THE Anglo-French Drug Co., Ltd.**, desire to inform the trade that they have opened a Branch in Paris with large stock-rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as Buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, 238a Gray's Inn Road, W.C. 1.

### YOU CAN GREATLY INCREASE YOUR BUSINESS BY EXPORTING TO BELGIUM.

A live well-known old-established firm with Warehouses, Offices, and staff of Travellers in Antwerp and Brussels is desirous of obtaining selling Agencies.

Excellent facilities for handling Pharmaceutical Specialities, Chemicals, Perfumery, Soaps, Malted Milk, etc. British partner now in London.

Please address offers to "Scott Macdonald" (5/20), Office of this Paper.

## BUSINESSES FOR DISPOSAL.

4s. 6d. for 50 words or less : 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**BIRMINGHAM.**—Suburban Light Retail; profits £8 weekly; price for quick sale £250. Address "Suburban," c/o Southall Bros. & Barclay, Chemists' Valuers, Birmingham.

**LANCASHIRE.**—Popular seaside resort; good-class Cash Business; Light Retail and Dispensing; corner double-fronted shop on main road; well fitted in mahogany, and heavily stocked; steady all-year-round trade; turnover increasing rapidly every year; good modern house attached with garden and private entrance; vendor wishes to sell freehold property and business together; approximate price £4,250; banker's reference with first inquiry. Apply 8/2, Office of this Paper.

**LONDON, N.**—Light Retail, Dispensing, and Prescribing, with good Optical connection, in working-class district; returns over £1,500; net profits £450; established 1845; Pharmacy well fitted and good stock; house, with side entrance; inspection and offers invited. Apply 11/7, Office of this Paper.

**MANCHESTER SUBURB.**—Old-established Chemist's Prescribing and Optical Business; excellent fittings and good house; returns over £700; rent £30; price £300. Apply 273/6, Office of this Paper.

**S.E. COAST.**—Good-class Business, sound and profitable, in unopposed position of good business street; rent £40; 11 the year round steady trade, easily managed; well-fitted and stocked modern shop and good dwelling house; turnover about £1,500 a year; price, stock and fixtures at valuation and £100 goodwill, or £900; only cash buyers need apply; references required; good reason for sale. Apply 12/36, Office of this Paper.

**SUSSEX.**—Thoroughly genuine, old-established, good-class, modern general Retail, with some Dispensing, Photographic, and Agricultural; returns over £900, increasing; profits above the average; nice shop, well stocked, good house accommodation; scope for Optics or Dentistry; satisfactory reasons for disposal. Apply 9/29, Office of this Paper.

**FOR Sale**, as a going concern in busy London suburb, an old-established Chemist's Business; Proprietary articles; goodwill £400, stock and fixtures at valuation; suit young, ambitious, qualified man. Write for particulars "D. W. S.," 195 Oxford Street, W.

**SEASIDE.**—High-class Dispensing, Photographic, and Family Business in popular West Country seaside resort for Sale, owing to death of proprietor, by Evans, Gadd & Co., Ltd., Exeter.

## BUSINESSES WANTED.

4s. 6d. for 50 words or less : 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**SOUTH** or South-West England, Coast preferred.—Sound, General, Light Retail Business; good house essential; healthy locality; cash available. Reply, giving turnover for 1913, 1917, and 1918, net profits, side-lines, full details of lease, premises, etc., in strict confidence, to "G. N. F." (12/2), Office of this Paper.

**CASH Business**; North or Midlands; price £300 to £400. Apply 11/5, Office of this Paper.

**CHEMIST'S Business** wanted; medium-class trade; healthy locality; Midlands; living house attached; profits about £400, with scope for increase. Full particulars in strict confidence, "M.P.S." (10/5), Office of this Paper.

**GOOD** middle-class Business, present turnover not under £1,800, in outskirts of Birmingham, Bristol, or London, or country town within thirty miles of same; replies treated in confidence. Address "Chemist," c/o Mrs. Marson, Osborne House, Heath Street, Stourbridge, Worcestershire.

**GOOD-CLASS Chemist's Business**, doing £1,600 to £2,000, wanted in South Country provincial town; living accommodation necessary; would manage Branch with view to succession. Apply 11/38, Office of this Paper.

**PHARMACIST** requires a Business; returns £800 to £1,500; London or suburbs. Particulars in confidence to "Harding" (9/35), Office of this Paper.

**PHARMACIST** requires Brisk Cash Business in busy thoroughfare; London preferred; neglected place not objected to if scope for increase; cash available about £300. Please give details in confidence to "Fides" (10/23), Office of this Paper.

**WANTED**, small suburban or country Business; price about £400. "W. A.," 32 John's Avenue, Hendon, N.W.

**WANTED**, a sound Chemist's Business, preferably in Scotland; good turnover in general Counter trade, with good net profit; capital up to £1,000, now available; also bankers' reference. Reply, with full particulars, to Mr. Brown, c/o Johnstoun, 57 Rosemount Place, Aberdeen.

**WANTED** to Purchase, good-class Retail and Dispensing Business, in North-East of England, Yorkshire preferred; turnover £1,000 to £2,000, with scope for increase; living house attached. Full particulars, in strict confidence, to 11/17, Office of this Paper.

**WANTED** to Purchase, genuine Business, with living accommodation; cash available £550, and remainder by arrangement; would manage with view to succession; Home Counties preferred, but not essential. Particulars, in confidence, to "Capsicum" (11/29), Office of this Paper.

**WANTED**, for cash, a Drug Store or Business which can be carried on as such, with comfortable house attached. Please send full particulars, in confidence, to 11/32, Office of this Paper.

## TO LET.

**A CORNER Shop** will shortly be to Let in best business part and most thickly populated district in St. Helens; rare opening for a Chemist; no other of any moment within a mile of the spot. Address Uveco Depot, Corporation Street, St. Helens.

## APPRENTICESHIPS.

**STUDENT** seeks an Apprenticeship; passed College of Preceptors. "Robert" (9/36), Office of this Paper.

## SITUATIONS OPEN.

4s. 6d. for 50 words or less ; 6d. for every additional 10 words or less, prepaid.

### RETAIL.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

**BLACKPOOL.**—Qualified Manager, young, with abilities and aptitude for good development; permanency; lock-up premises. Full particulars to 10/18, Office of this Paper.

**BARRY (GLAM.).**—Qualified Manager, also unqualified Assistant, for Light Retail and Dispensing business required (at once); state age, salary required, and full particulars as to experience; enclose photo if possible. W. T. Hicks & Co., 28 Duke Street, Cardiff.

**BOURNEMOUTH.**—Junior Assistant (male) for good-class Dispensing business (outdoors). Please send details of experience, salary required, to Geo. Taylor & Son, Chemists, Bournemouth West.

**CUMBERLAND.**—Managing Assistant for Retail; qualified or not; single, 30-35; good-class trade; fine shop; well-known Wholesale and Retail firm. Apply W. Stanley Scott, M.P.S., Wilson & Kitchen, Whitehaven.

**DERBYSHIRE.**—A reliable qualified Assistant required for small middle-class Retail business with N.H.I.; hours moderate; no holiday or Sunday duty; a permanency for the right man. Salary and recent reference to 9/32, Office of this Paper.

**FARNBOROUGH, HANTS.**—Wanted, qualified Assistant for Light Retail and Dispensing business. Full particulars, please, with salary (outdoors), to Litchfield, South Farnborough, Hants.

**LONDON.**—Unqualified Assistant required for one month. Hooper, Struve & Co., Ltd., 7 Pall Mall East.

**LONDON, S.E.**—Junior Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State experience and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

**LONDON, S.W.**—Unqualified Assistant, accustomed to good-class Dispensing, Retail, and Photography. Apply, personally or with full particulars, experience, age, salary (outdoors), etc., to Gray, 5 High Street, Barnes.

**LONDON, W.**—Gentlemanly Assistant required for first-class business; easy hours; good salary. Full particulars of experience to 12/32, Office of this Paper.

**MANCHESTER DISTRICT.**—Wanted, qualified lady Assistant for quick Counter trade; half-day holiday weekly; no Sunday duty. Address, stating experience, age, and salary required, with photo, 8/4, Office of this Paper.

**MANCHESTER DISTRICT.**—Required (shortly), a qualified Manager for a Mixed Retail business with Drysaltery and Oils; a permanent situation and advantageous terms offered to take full control of the general management, including buying; retiring Manager had control for the last 15 years. Apply, giving copies of references and salary asked, to Thos. Tomlinson & Son, 45a Market Street, Manchester.

**MIDDLESEX.**—Unqualified Assistant for medium-class Retail; little N.H.I.; must have good references; permanency to suitable reliable man. Apply, with particulars of experience, age, salary expected (outdoors), and when at liberty, Wells, Chemist, West Drayton (20 minutes from Paddington, G.W. main line).

**NEAR MANCHESTER.**—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 8/400, Office of this Paper.

**NEAR MANCHESTER.**—Qualified Assistant to take charge of branch; must be a good Salesman and Manager; please give details of experience, references, and salary required. Apply 8/401, Office of this Paper.

**NEAR SWANSEA.**—Locum wanted; Welsh-speaking preferred, but not absolutely essential. Send references, terms, and when disengaged, in first instance, "Cymro" (11/33), Office of this Paper.

**NEWPORT, MON.**—Capable middle-aged Assistant required; unqualified; middle-class business; knowledge of Photography desirable; good Window-dresser, Stockkeeper, and Counter hand; permanency to suitable applicant. Full particulars, salary, etc., W. E. Giles & Sons, 110 Commercial Road.

**S. ANNE'S-ON-THE-SEA.**—Outdoors; capable Dispenser; man or lady; Hall qualification; accustomed to good-class business; end of September; hours 8.30 to 6; Saturday 7; 1 hour alternate Sundays; applicants please state age, height, salary required, references, and enclose photo (to be returned). J. H. Taylor, Chemist.

**SHEFFIELD.**—Qualified Manager for branch in an industrial shopping centre; good scope for an energetic person to do well. State age, experience, and salary required, and enclose photo, to 65 Rustlings Road.

**SOUTH COAST.**—Qualified Manager; experienced; not under 30; country branch; large house and garden obtainable; hours reasonable; salary £5 and commission; at once; send full particulars, photo. Apply 12/24, Office of this Paper.

**WEST END.**—Qualified Assistant (gentleman) for Dispensing Counter. Write, stating full particulars, to A. J. B. C., Cooper, Son & Co., Ltd., 80 Gloucester Road, S.W.

**WISBECH.**—Wanted, Locum, from August 25th to Sept. 8th; hours 8.30 to 7.30, no Sunday duty; no Insurance Dispensing; close Wednesdays 1 p.m. State salary (outdoors), age, reference, to W. Boor, Chemist.

**A VACANCY** occurs for an Assistant Dispenser (male); Pharmaceutical qualification essential; age not over 35; short hours; progressive salary, commencing £184 per annum; suit Major or other student. Applications before August 12th by letter only to Langford Moore, Pharmacist, St. Bartholomew's Hospital, London, E.C. 1.

**ASSISTANT;** unqualified; mainly for Dispensing. Full particulars to W. Aston & Co., 27 Montague Street, Worthing.

**AT once,** qualified Manager for branch (outdoors); salary and commission; energetic young man with knowledge of photo trade. Hargreaves & Co., Gloucester.

**CAPABLE** Assistant for Dispensing; accustomed to first-class business; no N.H.I.; outdoors; hours 8.30 to 6, every third night duty to 9.30, usual weekly half-holiday. Particulars of salary and experience to Mr. Lewis, Chemist, Ealing, W. 5.

**E. H. BAKER, LTD.,** Chemists, Bilston, Staffs, require qualified Chemist for the 18th August. Please write in first instance, stating salary required and full particulars of experience.

**EXPERIENCED** Assistant wanted. Apply, giving all particulars, two last references, stating age and salary required, enclose photo, R. T. Forbes, Pharmacist and Optician, 48 Castle Street, Stockport.

### HULL AND SCULCOATES DISPENSARY.

Required, a qualified Dispenser, of either sex; hours 9 to 12 and 2 to 5.

Applications, stating age, qualifications, and salary required, accompanied by three recent testimonials (which will not be returned), to be sent to the undersigned.

Canvassing members of the Board not permitted.

J. E. D. STICKNEY.

Hon. Secretary.

Crown Chambers, Land of Green Ginger, Hull.

**JUNIOR** or Improver wanted (at once) for two or three months (or longer); easy hours (part-time if preferred); Light Retail and Dispensing business; give references and salary required (outdoors), enclosing photo if possible. Gittins, Chemist, Buckingham.

**JUNIOR** Assistant wanted for high-class dispensing business; to live on business premises with the Senior; board and lodging provided. Please apply, with full information as to education, salary required, etc., and photograph, to J. W. Stainer, Pharmaceutical Chemist, Sandgate Road, Folkestone.

**JUNIOR** Assistant; accustomed to good-class Dispensing and Retail; outdoors. Apply, giving details of experience and salary required, to Gould & Co., 23 North Audley Street, W. 1.

**LADY** Dispenser, Hall qualification if possible, experienced, required by firm of Doctors in London. Apply, with usual particulars, to 4/19, Office of this Paper.

**LADY** Dispenser wanted for large general practice; furnished rooms provided. Apply, stating age, qualifications, previous experience, and salary, to Dr. Body, Bowlais House, Middlesbrough.

**LADY** Assistant wanted (outdoors). J. E. French, 128 High Street, Sittingbourne.



**LOCUM** wanted for two weeks from August 27th to take charge. Apply 35 Churchway, Euston Road, N.W. 1.

**LOCUM**, qualified, wanted near Manchester for two weeks from about September 13th; outdoors; good-class Light Retail, with N.H.I. and Photographic; state salary required, particulars of experience, and age, and give a recent Retail reference. Apply 12/27, Office of this Paper.

**MANAGER** (qualified) wanted for branch in Oxford. State references, salary, experience, and full particulars, and if convenient enclose photo, to The Oxford Drug Company, Limited, Dispensing and Family Chemists, Oxford.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects; free removal.

**QUALIFIED Locum** wanted for the last fortnight in August. Address, with full particulars, to Taylor, Gibson & Co., 7 Bigg Market, Newcastle-on-Tyne.

**QUALIFIED gentleman** wanted (to take holiday charge) for three weeks to commence August 25th; in- or out-doors; all usual particulars, including terms. Thompson & Walton, 75 High Street, Maidenhead-on-Thames.

**QUALIFIED Working Manager** required for a busy Mixed Retail business; capable, reliable, and energetic; comfortable permanent berth for the right man; state full particulars, experience, age, salary expected, etc., etc. Furnival & Co., Ltd., Market Square, Hanley, Stoke-on-Trent.

**REQUIRED**, qualified man (at once) in good-class business; N.H.I. Dispensing; permanency; state age, salary required, and experience; suit middle-aged man. Boulton & Skelton, Ltd., Rimsby.

**UNQUALIFIED or qualified; married; to live over business, small house; good experience and reliability essential; situation now vacant.** Apply, with photograph, stating experience, references, and salary required, to Neve & Co. (Proprietor H. E. Kyrme), 12 Wellington Place, Hastings.

**UNQUALIFIED Assistant** wanted; good Counterman; quick, reliable Dispenser; Senior kept; all usual particulars, salary required (outdoors). H. E. Matthews, Ltd., Mornington Crescent next to Tube Station, N.W. 1.

**WANTED**, unqualified Assistant for small branch Drug Store and specialties; permanent situation; good references required; salary £2 10s. per week. Hulme's, Chemist, Parliament Street, Nottingham.

**WANTED**, for good-class country business, easy hours, healthy surroundings, commencing salary £200. competent Managing Assistant; knowledge of Optics and Dentistry advantageous; permanency. Apply, with full particulars, 9/35, Office of this Paper.

**YOUNG** qualified Assistant required for good-class business; good Dispensing experience essential. Full particulars to Athl. Smith & Co., 375 High Street, Cheltenham.

## WHOLESALE.

4s. 6d. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**NEWCASTLE-UPON-TYNE.**—Wanted, a qualified Assistant for general manufacturing laboratory. Apply, giving particulars experience, age, and salary required, to Brady & Martin, d., Northumberland Road, Newcastle-on-Tyne.

**N** experienced, unqualified Assistant for manufacturing Laboratory required at once. Please state fullest particulars, including date could take up appointment, in first letter, to Manager, Priory Court, Cheltenham Spa.

**SSISTANT Factory Chemist** wanted in London with practical experience manufacture high-grade Toilet specialties. State, stating experience, age, salary required, to "L." (243/29), Office of this Paper.

**SSISTANT Shipping Clerk** required for City Wholesale Druggists; or Youth not objected to; smart, straight from school, train. Apply, by letter, giving full particulars, to 243/72, Office of this Paper.

**CUSTARD POWDERS.**—Advertiser would like to get into touch with an experienced man capable of undertaking the manufacture of Custard Powders, Jelly Squares, Lemon Cheese, Self-Raising Flours, and Grocers' Sundries. Full particulars in confidence to Box 41, Advertising Offices, 66 Ludgate Hill, E.C.

**EXPERIENCED** man wanted to assist in making Toilets and Proprietaries. Full particulars as to experience 10/37, Office of this Paper.

**LADY Clerk** wanted as Assistant in costing of manufactured products; must have knowledge of nomenclature of Drugs and Chemicals. Apply, stating age, experience, and salary required, to Geo. Curling, Wyman & Co., 56/59 Bunhill Row, E.C. 1.

**OFFICE and Warehouse Clerk** wanted; experienced Stockkeeper preferred; good wages and prospects. Write full details, experience, and previous positions, 278/20, Office of this Paper.

**PROGRESSIVE Manchester firm of Toilet Goods Manufacturers and Hairdressers' Sundriesmen** require Representative; salary, expenses, and commission; established connection in Lancashire, Cheshire, Yorkshire; preference to applicant who can extend this connection in Midlands or South Wales; permanency to energetic and reliable man; state fully age, experience, present and previous engagements, salary, references, and when at liberty. Apply 244/22, Office of this Paper.—Will advertiser kindly send name and address to this Office?

**REPRESENTATIVE**, experienced, required for London, Middlesex, and Surrey, by Surgical Dressings, Druggists' Sundries, and Perfumery house. Reply, with full particulars, to "L." (232/35), Office of this Paper.

**REPRESENTATIVE** wanted for provincial sundries house for Midland Counties; every encouragement given to energetic man; one resident in Birmingham or district preferred. State age, experience, with full particulars, to 278/9, Office of this Paper.

**WANTED**, for Wholesale and Retail Drug, Sundries, and Patent Medicine business, smart, intelligent young man (under 35) to supervise collecting and despatch of orders; active and methodical; able to carry out price checking, etc., under existing organisation. C. A. Critchley & Co., Pharmaceutical Chemists and Wholesale Druggists, Blackburn.

**WANTED**, by Provincial Wholesale house, Assistants for Wet and Dry Counters; also Laboratory Assistant. Give full particulars of experience and salary required to "Iodine" (12/3), Office of this Paper.

**WHOLESALE DRUG TRADE.**—Man required to take entire charge of small Tablet-making Department; West of England; permanency and good prospects; free removal; please mention age, experience, references, salary desired, etc. Apply 8/16, Office of this Paper.

**WHOLESALE.**—Wanted, a really competent man to take charge of manufacture of Galenicals and Proprietaries for a large firm with several branches; must have had good experience and be qualified; good salary and excellent prospects; permanency. Apply "Manufacturer" (5/26), Office of this Paper.

## SITUATIONS OPEN.

4s. 6d. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

### (Colonial, Indian and Foreign.)

**BRITISH EAST AFRICA.**—Assistants, qualified, for British East Africa. Apply by letter to Mr. McGeorge, c/o H. C. Baildon & Son, Prince's Street, Edinburgh.

**FEDERATED MALAY STATES.**—Qualified Assistant; unmarried; must have had good experience in retail; terms three years' agreement; salary 350, 400, 450 pounds sterling per annum; passage paid second class out and home; short hours; good climate; the firm one of the largest in the East; and the position and surrounding country most attractive. Apply Dakin Brothers, Ltd., 82 Middlesex Street, E. 1.

**HONG KONG.**—Wanted (immediately), qualified Chemist's Assistant; principally Light Retail and able to take charge if necessary; good salary and terms offered. Apply Durant, Radford & Co., Ltd., Billiter Buildings, E.C.

**HONG KONG.**—Two thoroughly reliable Assistants, who have had good experience in first-class Retail business; age 22 to 30; four or five years' agreement; salary for qualified men £500, rising to £550 per annum; passage paid out and home. Address "Export" (11/40), Office of this Paper.

**SINGAPORE.**—Wanted, fully-qualified Assistant for Wholesale and Retail Pharmaceutical Chemists' Store. State salary required and full particulars to Durant, Radford & Co., Ltd., Billiter Buildings, E.C.

**SINGAPORE.**—Wanted, fully-qualified and competent man to manage Wholesale and Retail Pharmaceutical Chemist's Store. State salary required and full particulars to Durant, Radford & Co., Ltd., Billiter Buildings, E.C.

**LABORATORY** Manager wanted for abroad; a first-class man, able to take charge of a steam laboratory; must be thoroughly up to date in every respect and experienced in the manufacture of coated Pills and Tablets by modern machinery; an excellent opening for a young man desirous of settling in a comfortable position in a healthy British Colony. Write "O. M. N.," 25 Arrol Road, Beckenham, Kent.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every additional 10 words or less, prepaid.

### [HOME.]

### RETAIL.

**ABLE** Locum, disengaged to August 16, highly recommended; wide London and provincial experience. "Statim," 74 West Hill, East Putney, London, S.W. 15.

**ADVERTISER**, 27, unqualified, requires Locum work; good Dispenser and Counterman; experienced in the manufacture of Pharmaceutical and Toilet preparations; four years in the Army. "Lieutenant," 26 Marlborough Road, Stockton-on-Tees.

**ADVERTISER** recommends reliable Locum (unqualified); take charge. "Locum," 2 Christian Road, Preston.

**ADVERTISER**, disengaged, wants permanent post; first-class all-round London and provincial experience; good references. Apply 10/35, Office of this Paper.

**ADVERTISER** is open to undertake Locum work during his holidays; could arrange fortnight either this month or next; unqualified; middle-aged; experienced and reliable; capable of filling any position; salary £4 4s. per week and railway fare if out of London. Address "A. L.," 75 Portway, West Ham, London, E.

**AS** Locum; reasonable terms. "Chemist," 23a Sinclair Gardens, W.

**AS** Manager or Locum; qualified; experienced; well recommended; disengaged. Apply 11/28, Office of this Paper.

**AS** Manager; 25 years' experience; qualified; open to engagement immediately. Address "Chemist," 4 Gaythorpe Street, Moss Side, Manchester.

**ASSISTANT** or Manager; unqualified; disengaged shortly; good general experience; 46, single; Locum or permanent. John Gregory, 11 Market Street, Tredgar, Monmouth.

**ASSISTANT** or Locum, disengaged until October; thoroughly experienced Counter and Dispensing; capable of taking charge; unqualified. "Statim," 29 Keswick Road, Blackpool.

**ASSISTANT**; unqualified; 26, tall, active; recently demobilised; good all-round experience in Dispensing, Counter, and Photographic; will accept moderate salary to regain touch with Counter work, etc.; Manchester or district preferred. Apply 10/9, Office of this Paper.

**ASSISTANT**, 30, seeks engagement; nine years' experience good-class Retail Dispensing and Photographic business; capable of taking charge; disengaged; N.W. district or City preferred. "A.," 13 Oval Road, Regent's Park, N.W. 1.

**ASSISTANT**, unqualified; good experience in Dispensing; age 22; lady. Apply C. P., 36 Hythe Bridge Street, Oxford.

**ASSISTANT** or Manager (36); first-class experience and references; unqualified; married; permanency required. "Radio" 84 Lumley Road, Horley, Surrey.

**ASSISTANT**; unqualified; 27; married; highest-class Dispensing and all-round experience; good knowledge of Photography; excellent references; country preferred; permanency, with accommodation over business if possible; free September; state salary, hours, etc. Apply 12/6, Office of this Paper.

**CAPABLE**, experienced Assistant, 43, accustomed to manage; desires permanency; free 14th August; highest references; all-round ability. Odgers, 14 Wickham Road, Fareham, Hants.

**CHESTER.**—Thoroughly competent Assistant desires good position in or very near the city; Dispensing, Counter, and Photographic experience; could wait a few months if necessary. Apply 9/40, Office of this Paper.

**CLERICAL** work of any kind, evenings or day time. Write "F. G.," (279/39), Office of this Paper.

**DISENGAGED.**—Reliable Assistant; unqualified; Locum or permanent. "Chemist," 35 Abbey Street, Rhyl.

**DISENGAGED**; Locum or Manager; view partnership; thoroughly experienced; about 4 years last. "Chemist," 19 Bailey Street, Newport, Mon.

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**DISPENSER**, lady, full qualification, desires post; preferably London or suburbs; Doctor, Hospital, or Institution. M. Ritter, Winstead, Honor Oak Road, Forest Hill, S.E.

**DISPENSER**, woman, desires post; experienced in Doctors' and Institution work. "Dispenser," Kingston Infirmary, Kingston-on-Thames.

**DISPENSER** (woman), Hall certificate, desires post; Doctor, Chemist, or Institution; Dressings; would go Locum. "Dispenser," c/o Mrs. Roberts, 3 Hawthorne Terrace, Holyhead.

**DISPENSER** or Senior; 35; married; experienced and competent; Dispensing a speciality; West End, City, and provincial London or district. "Acus" (12/9), Office of this Paper.

**DISPENSING.**—Lady, good experience, desires post; Institution preferred; country or near sea. "A.," 24 Cornwall Road, St. Albans.

**ELDERLY**; qualified; best-class experience; easy hours; moderate salary; London. Apply 12/22, Office of this Paper.

**ELDERLY**, qualified, married, desires change owing to family circumstances; active; good Prescriber and Dispenser; qualified supervision in Drug Store or Branch preferred; good locum near London essential; state full particulars. Apply 12/23, Office of this Paper.

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**HOSPITAL** Dispenser, Locum; qualified. Irving, 66 Rowland Road, Balham, S.W. 17.

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**LADY** Dispenser (Hall) desires engagement; trained in Dressings. Gibson, Cloverley, Ashted, Surrey.

**LADY** Dispenser (23), Hall, seeks post; Doctor; country or near London; Books. Apply 10/21, Office of this Paper.

**LADY** Dispenser (Hall) seeks re-engagement, good Pharmacy, Doctor, Institution; Westcliff, South, or South-East Coast; reliable; good references; moderate hours. Apply 12/12, Office of this Paper.

**LADY** Dispenser (Hall) desires post with Doctor or Institution; Bedfordshire preferred. "Thymol" (12/1), Office of this Paper.

**LIVERPOOL** or DISTRICT.—Lady, qualified, requires position as Locum, Pharmacy or Hospital; excellent Dispensing experience; disengaged. "M.P.S.," 67 Martin's Lane, Walsby, Cheshire.



OCUM; 45, tall; five years' Locum experience. Howes, 15 Hexthorpe Road, Doncaster.

OCUM; 55; experienced; disengaged 25th August; moderate terms; abstainer. "J. S.," 139 Linthorpe Road, Middlesbrough.

OCUM; qualified; 30; reliable; experienced; disengaged September; West or Central London. "M.P.S.," 16 Princes Square, W. 2.

OCUM or otherwise; elderly; qualified; good references; disengaged. Hobson Key, Brook Estate, Monmouth.

OCUM; disengaged 10th August. Apply W. B., 5 Meldon Terrace, Stroud.

OCUM or permanency; 36; qualified; excellent experience and references; state terms. Apply 11/27, Office of this Paper.

OCUM (36); first-class experience and references; disengaged August 24th; £5 5s. weekly, plus fare. "Statim," 84 Umley Road, Horley, Surrey.

OCUM or part-time; qualified; Dispensing or Counter; eighteen years' experience; every branch. "Chemist," 187 Southark Bridge Road, S.E.

LONDON, S.E.—Junior requires situation, with reasonable hours; state salary offered. "J. B." (13/33), Office of this Paper.

MANAGER; qualified; view to interest or succession preferred but not essential; first-class experience; highest references; disengaged. "H.," 198 Lancaster Road, Enfield.

MANAGER or Assistant; 48; well up in Dispensing, Counter, and Photo; 10 years Manager; or would invest £500 as working partner; unregistered. Apply 9/24, Office of this Paper.

MANAGER; temporary or otherwise; much good experience and references; 55; active, healthy, well educated, abstainer; excellent Dispenser and Prescriber; qualified. Apply 10/4, Office of this Paper.

MANAGER, qualified, or with progressive partnership or succession; seven years' present post; married; 35; salary £6 per salary and commission preferred. "Dunedin" (10/34), Office of this Paper.

MANAGER; 39; experienced; qualified; permanency; excellent references. "Chemist," 11 Lyndhurst Road, Hove.

MANAGER or Locum; qualified; married; disengaged; 20 years' experience. Details to "D. O. C.," 26 Fox Hill, Upper Norwood, S.E. 19.

MANAGER; 30; qualified; provincial and London experience; reliable. "M.P.S.," 16 Princes Square, W. 2.

MANAGER, 35, first-class all-round experience West End and Continental, good knowledge French, desires Managership in London. Address "Pharmacist," 30 Franconia Road, Clapham Park, S.W.

MANAGERSHIP; qualified; age 56; good Dispenser, Prescriber, Extractor; married, no children; or Senior Assistantship, with view to purchase; £100 or over at present at call; correspondence invited. Munro, 80 Bridge Road, Battersea.

MIDLANDS or Birmingham.—Junior; smart, quick, and reliable; excellent Dispenser and Counter Hand. Reply "Midlands," 61 Hillaries Road, Gravelly Hill, Birmingham.

MORNINGS.—Fully-qualified Pharmacist requires morning engagement in good-class Pharmacy (London); excellent references. "Pharmacist," Kinross, Clapham Road, S.W. 9.

PERMANENCY required; Manager or Assistant; unqualified; 39; married; Agricultural preferred, in West Riding or North Lancashire; excellent reference; disengaged; please state salary. Apply 12/10, Office of this Paper.

PHARMACIST, at present successfully controlling a large London Pharmacy, wishes a change to improve his position; the country or country town in Home Counties preferred as house accommodation with good garden is required; excellent references. "M.P.S." (10/20), Office of this Paper.

QUALIFIED recently (after "Square" training), 24, desires temporary post, Retail and Dispensing; open now to Sept. 5th about; moderate salary and expenses. "H.," 23 Spring Road, Edgbaston, Birmingham.

QUALIFIED; good appearance, young; disengaged August 23rd; Locum or permanent. Particulars C. Wilcox, 94 Queen's Road, Bayswater, W.

REGISTERED branch small prescriber, etc.; middle age; at liberty (three years last). "D.," 193 Wellington Street, Bradford, Manchester.

REQUIRES post as Junior or Improver; near Nottingham or Manchester; at liberty September. Apply 268/18, Office of this Paper.

UNQUALIFIED Assistant; single; Dispensing, Extractor, Counter. "Barium" (10/26), Office of this Paper.

UNQUALIFIED desires permanency; Hall qualification; out of London. 172 Fernie Park Road, Crouch End, N.

UNREGISTERED; 26; 8 years' experience Retail; please state salary, hours. "Abstainer" (13/32), Office of this Paper.

YOUNG, qualified, energetic and capable, desires situation as Manager of branch; South Lanes or Manchester district preferred. Apply 10/16, Office of this Paper.

YOUNG lady seeks post with Chemist or Doctor; Hall certificate. Apply 13/30, Office of this Paper.

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LABORATORY Manager, 28 years' experience Doctors and heavy, 20 years Manager, London and provinces, age 44, seeks position out of London; qualified. F. C. S. (1/36), Office of this Paper.

MAN, 25, well educated, desires situation; any capacity; 8 years' experience in Analysis and Manufacture of Chemicals, Drugs, and Oils, etc. "C. B." (13/26), Office of this Paper.

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TRAVELLER desires few good lines; part expenses and commission, or whole time if required; large connection. "Unquatum" (12/370), Office of this Paper.

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**WANTED**, volumes, bound preferred, "Chemist and Druggist" and "Pharmaceutical Journal"; also unbound, "Oil and Colour Trade Journal." Adan, 72 George Street, Aberdeen.

**WANTED**, Shop Fittings, Shop Rounds, Ointment Jars, Glass Cases, etc. Apply 2/32, Office of this Paper.

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## L.A.E. ELECTION. CENTRAL FEDERATION.

DEAR SIR,

The Essex Association have nominated Mr. T. England, Romford, for the L.A.E.

They ask for your support for the following reasons:—

- (1) His sound judgment gained in the conduct of Essex County affairs since the commencement of the Association. Essex County is the fourth largest contributor to the funds of the L.A.E. in the whole country.
- (2) His desire to make the L.A.E. the real wire-puller in business affairs.
- (3) His real knowledge, as a successful man in business, of the needs of pharmacists both in N.H. and Industrial Council matters.

He is Chairman of our Pharmaceutical Committee, past President of our Association, Chairman Romford Chamber of Commerce, Vice-Chairman of the Urban District Council, and has given of his best to the Social, Philanthropic, and Religious Activities of the District.

It is largely through Mr. England's initiative, backed by our Association, that the Chemists' Defence Association has widened its activities and taken up the "All-in Policy."

We shall appreciate your help in this election, and you may rest assured, if elected, our Candidate will leave no stone unturned on your behalf.

Faithfully yours,

C. RUNDLE, *President.*  
C. GOODE, *Secretary.*

## LOCAL ASSOCIATIONS' EXECUTIVE ELECTION.

Lancashire & North-Western District  
(District No. 5)

PANEL VOTERS are urged to  
support the Candidature of and

VOTE FOR  
**Mr. J. H. NIDD**

Vice-President of the Manchester Pharmaceutical Association; Vice-Chairman of the Manchester Pharmaceutical Committee; Pharmaceutical Representative on the Manchester Insurance Committee.

Mr. J. H. Nidd is an Official Candidate of the LANCASHIRE & NORTH-WESTERN FEDERATION, and has the unanimous support of the MANCHESTER PHARMACEUTICAL ASSOCIATION.

**L.A.E.C. ELECTION****CENTRAL DIVISION.**

*To Pharmacists of the counties of Bedford, Bucks, Cambridge, Derby, Essex, Herts, Hunts, Leicester, Lincoln, Norfolk, Northampton, Notts, Oxford, Rutland & Suffolk.*

The East Anglia Federation of Pharmaceutical Associations (members resident in Cambridgeshire, Lincolnshire, Norfolk, Northamptonshire, Rutland, Suffolk, and North Essex) have adopted

**Mr. C. SMALLEY**

**12 Carr Street, IPSWICH,**

as its Official Candidate.

Mr. SMALLEY is President of the East Anglia Federation, Vice-President (and some time Secretary) of the Ipswich and District Chemists' Association, Pharmaceutical representative on the Ipswich Insurance Committee.

This Federation wishes to point out that it has put forward one candidate only, not desiring to secure a monopoly of the three seats, but feeling that its large area justly entitles it to one representative on this important Committee.

Mr. SMALLEY stands for—

**Better remuneration for Insurance Dispensing.**

**Abolition of the mile limit.**

**The development of a central organisation to look after the BUSINESS interests of Chemists.**

*On behalf of the Council of the East Anglia Federation,*

**J. C. WIGGIN, Hon. Secretary.**

**VOTE FOR SMALLEY.**

## LOCAL ASSOCIATIONS' EXECUTIVE ELECTION.

### *Metropolitan Group.*

The South-East London Chemists' Association have nominated

**J. MILNER, 209 Trafalgar Rd., Greenwich,**  
as Association's Candidate.

## Vote for Milner.

Secretary of The South-East London Chemists' Association. Member of The P.A.T.A. Council, Retail Section. Member of The London County Executive. Member of The London Organisation and Trades Committee. Member of The Ucal Federation Committee, London Branch. Member of The London Pharmaceutical Committee.

## Vote for Milner

who has had 30 years' Retail experience, is in a position to give all necessary time and attention to L. A. E. C. meetings and is fully alive to all the more important and pressing needs of Pharmacy to-day.

# Local Associations Executive Committee ELECTION, 1919

CENTRAL DIVISION, comprising Bedfordshire, Buckinghamshire, Cambridgeshire, Derbyshire, Hertfordshire, Huntingdonshire, Leicestershire, Lincolnshire, Norfolk, Northamptonshire, Nottinghamshire, Oxfordshire, Rutland, and Suffolk.

## To all Pharmacists on the Panel of the Central Division.

Hertfordshire have nominated Mr. S. T. Milbank, Ph.C., of Bishop's Stortford, to contest the election on their behalf, and ask the favour, of your whole-hearted support and interest for their candidate for the following important reasons:—

- A. As Chairman of the Pharmaceutical Committee since 1913, he is fully alive to the difficulties attendant to the working of N.H.I. affairs. Largely due to his forethought and diplomacy, Hertfordshire enjoyed for some considerable time terms of services rendered unequalled in any part of the country, and to-day still retains special fees for County Tuberculosis Dispensing over and above those paid to the majority of pharmacists.
- B. As Chairman of the East Hertfordshire Pharmacists' Association, he has done yeoman service for seven years, enjoying the confidence not only of his immediate *confrères*, but also of those throughout the whole county.
- C. A Pharmacist for Pharmacists! Has been associated with retail business in Bishop's Stortford for 40 years and Proprietor for 27 years. Is conversant with modern business methods, realises the difficulties attendant to the carrying on of a Chemist's business to-day. Is out for a better remuneration for trained and highly skilled men, such as ours, and the adequate safeguarding of title and qualification. Is in favour of a fair wage for a fair day's work, which at present is afforded under N.H.I. terms, and is fully alive to the pressing needs of Pharmacy to-day.
- D. Being on the Panel of two Counties and doing a large amount of N.H.I. work, he is competent to deal with all Insurance matters affecting Chemists and has the advantage of fifteen years' experience on the Board of Management of the Bishop's Stortford Friendly Society.
- E. He is in a position to give the necessary time and attention to all L.A.E.C. Meetings. Incidentally it may be mentioned that he has never failed to attend any meeting in connection with the County Association or the Pharmaceutical Committee.

The Hertfordshire Committee trust you will vote for Mr. S. T. Milbank, who undoubtedly is a business man for business men, with a large and varied experience of the retail drug-trade, its difficulties and trials, and its hope for a more united front to more easily deal with those matters so vitally affecting Pharmacists to-day, and probably more so in the future.

Thanking you in anticipation of your hearty cooperation.

Yours faithfully,

**D. W. E. BARKER.**  
Secretary.

# VOTE for MILBANK



# LOCAL ASSOCIATIONS' EXECUTIVE COMMITTEE ELECTION, 1919.

## Metropolitan Division.

### To voters in the Association Section

The Surrey Pharmaceutical Association have nominated Messrs. **W. BOWDEN** of Hill Road, Wimbledon, and **W. H. FOWLER** of Station Rd., Redhill, Chairman and Secretary respectively, as Candidates, and appeal for your votes and interest to secure their election.

Both these Pharmacists have done excellent work on the County of Surrey Association since the inception of National Health Insurance, and are prepared to devote the necessary time and attend the meetings of the L.A.E.C.

They are both working Pharmacists, therefore fully realising the difficulties of carrying on business under present-day conditions.

They are prepared to do their utmost to obtain better remuneration for the work which National Health Insurance demands from Chemists.

# Local Associations' Executive Election

## METROPOLITAN AREA.

All Pharmacists on the Panel of this Area are urged to support the candidature of  
**and VOTE FOR**

## Mr. E. T. Neathercoat

Chairman of the L.A.E. for over two years; Ex Vice-Chairman of the Pharmaceutical Society; Past Chairman of the Surrey Pharmaceutical Committee; Pharmaceutical Representative on the Surrey Insurance Committee;

AND HAS THE SUPPORT OF THE  
**County of Surrey  
Pharmaceutical Committee.**

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